AVN
AIRCRAFT MAINTENANCE AND ENGINEERING DIVISION

AIR TRANSPORT ASSOCIATION CODES

AVIATION SYSTEM STANDARDS

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The aircraft system/component code table is a modified version of the Air Transportation Association (ATA) Specification 100 code. The Program Standards Section, AVN-328, within the Aircraft Maintenance and Engineering Division, AVN-300, developed the codes. They are specifically designed for use on AVN's fleet of Flight Inspection aircraft under our Air Operator Certificate, RU3A796U. These codes are used for our Continuing Analysis and Surveillance Program (CASP) and the Continuous Airworthiness Maintenance Program (CAMP) and are for AVN's use only. Any use by other organizations or individuals shall be prohibited.

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FOREWORD

The Aircraft Maintenance and Engineering Division, AVN-300, Air Transport Association (ATA) Code List provides ATA codes and guidance for issues with regard to FAA Aviation System Standards.

INTRODUCTION

This document describes the Air Transport Associate (ATA) codes or references a code that ensures that the Quality Management System utilized in the Aircraft Maintenance and Engineering Division (AMED), AVN-300, is accomplished in a consistent manner that meets or exceeds the standards specified in the General Maintenance Manual, TI 4100.24.

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7530 COMPRESSOR BLEED CONTROL
7531 COMPRESSOR BLEED GOVERNOR
7532 COMPRESSOR BLEED VALVE
7540 BLEED AIR INDICATING SYSTEM
7597 ENGINE BLEED AIR SYSTEM WIRING

76 ENGINE CONTROLS

7600 ENGINE CONTROLS
7601 ENGINE SYNCHRONIZING
7603 POWER LEVER
7620 ENGINE EMERGENCY SHUTDOWN SYSTEM
7697 ENGINE CONTROL SYSTEM WIRING

77 ENGINE INDICATING

7700 ENGINE INDICATING SYSTEM
7710 POWER INDICATING SYSTEM
7711 ENGINE PRESSURE RATIO (EPR)
7712 ENGINE BMEP/TORQUE INDICATING
7714 ENGINE RPM INDICATING SYSTEM
7720 ENGINE TEMP. INDICATING SYSTEM
7722 ENGINE EGT/TIT INDICATING SYSTEM
7730 ENGINE IGNITION ANALYZER SYSTEM
7731 ENGINE IGNITION ANALYZER
7732 ENGINE VIBRATION ANALYZER
7740 ENGINE INTEGRATED INSTRUMENT SYSTEM
7797 ENGINE INDICATING SYSTEM WIRING

78 ENGINE EXHAUST

7800 ENGINE EXHAUST SYSTEM
7810 ENGINE COLLECTOR/TAILPIPE/NOZZLE
7820 ENGINE NOISE SUPPRESSOR
7830 THRUST REVERSER
7897 ENGINE EXHAUST SYSTEM WIRING

79 ENGINE OIL

7900 ENGINE OIL SYSTEM (AIRFRAME)
7910 ENGINE OIL STORAGE (AIRFRAME)
7920 ENGINE OIL DISTRIBUTION (AIRFRAME)
7921 ENGINE OIL COOLER
7922 ENGINE OIL TEMP. REGULATOR
7923 ENGINE OIL SHUTOFF VALVE
7930 ENGINE OIL INDICATING SYSTEM
7931 ENGINE OIL PRESSURE
7932 ENGINE OIL QUANTITY
7933 ENGINE OIL TEMPERATURE
7997 ENGINE OIL SYSTEM WIRING

ATA CODE/TITLE

80 STARTING

8000 ENGINE STARTING SYSTEM
8010 ENGINE CRANKING
8011 ENGINE STARTER
8012 ENGINE START VALVES/CONTROLS
8097 ENGINE STARTING SYSTEM WIRING

CHAPTER I. GENERAL

1. GENERAL

A. BACKGROUND

(1) The FAA has statutory responsibility to maintain a safe, common system for the use of airspace and operation of aircraft therein. To effect a safe air transportation system, FAA pursues an aggressive research and development, test and evaluation program of the air navigation, control, communications and aircraft operations, including standards development and training. To accomplish this responsibility the FAA operates a fleet of aircraft to perform its mission.

(2) AVN aircraft maintenance activities will be conducted in compliance with applicable Federal Aviation Regulations, Agency directives, policies and procedures as stated in these codes. It is the responsibility of all employees to report any known deviation from this policy to their supervisor. Immediate appropriate action will be initiated by the supervisor to resolve the issue. AVN-300 managers will assure employees that they can bring safety related concerns to management without fear of reprisal, and with assurance of thorough and impartial disposition of the issue.

(3) In the event of conflict between a Federal Aviation Regulation and the Air Transport Association Codes or other FAA supplied instructions, the Federal Aviation Regulation has precedence. In the application of a Regulation, directive, policy or procedure to a particular situation, safety of persons and property is paramount.

B. ORGANIZATIONAL MISSIONS

(1) Aviation System Standards (AVN) is tasked with the responsibility to manage the AVN Flight Program. This management includes providing policy, delegating authority, establishing procedures and assigning responsibility for operation, maintenance, acquisition and disposal of AVN aircraft.

(2) Aircraft Maintenance and Engineering Division, AVN-300, is responsible for the management of the AVN Aircraft Inspection and Maintenance Programs set forth by the Director of AVN. AVN-300 shall provide technical support and ensure compliance with the approved aircraft inspection and maintenance programs contained within the system.

CHAPTER I. GENERAL

2. AVN AIR TRANSPORT ASSOCIATION CODES

A. PURPOSE

The purpose of this document is to provide AVN Aircraft Maintenance personnel with a code listing that provides Air Transport Association Codes for AVN application.

B. SCOPE

This document provides acceptable ATA codes and definitions as applicable to the maintenance of assigned AVN aircraft

C. RESPONSIBILITIES

All Federal Aviation Administration maintenance personnel are required to comply with the duties/responsibilities and procedures contained in this document. The Manager of Aircraft Maintenance and Engineering Division (AMED), AVN-300, is responsible for the content, accuracy and approval of all revisions. A master file is maintained by AVN-320.

D. INFORMATION DEFICIENCY

Any employees finding deficiencies, needing clarification, or having suggested improvements regarding the contents of the ATA Codes, Technical Issuance manuals, maintenance program task cards, or related procedural documents applicable to AMED maintenance programs will identify the item to their supervisor, document in accordance with the procedures described in Chapter/Section IV.99 of the General Maintenance Manual and forward to AVN-320.

CHAPTER I. GENERAL

3. ATA CODE STRUCTURE

A. GENERAL

The AVN Air Transport Association (ATA) Codes are issued in loose-leaf and electronic form and is structured as follows:

(1) Record of Change - Provides space for recording insertion of revisions. (VN Form 4100-65)

(2) Foreword - Self-explanatory.

(3) Table of Contents - A Master Table of Contents, located in the front of this ATA Code document, will list the chapter and section titles and beginning page number and show change status of each page in the Table of Contents. It will also show the change status of each chapter and section.

(4) Chapters -Sequentially numbered, beginning with Roman numeral I (one).

(5) Sections - Sequentially numbered with Arabic numbers beginning with number one (1), as in I.1.

NOTE: In Chapters II through V, the sections are sequentially numbered with Arabic numbers that coincide with ATA system codes.

(6) Pages - Pages are sequentially numbered. Each page number begins with the chapter number followed by a decimal (.), section number followed by a decimal and the page number. This number is located on the lower corner of each page, e.g. II.10.1.

(a) Date - Date of each page will be listed on the top of each page. This signifies the latest revision date for that page. The date format will be listed numerically as month/date/year, e.g., 03/28/03.

(b) Change number - A number will be shown in the upper right-hand corner, indicating the change number of that page.

CHAPTER I. GENERAL

4. REVISION SYSTEM

A. GENERAL

(1) The revision system provides methods to ensure new information can be incorporated into the approved ATA code system. The basic ATA Code Listing is revised on an as-needed basis using one of the following methods.

(a) Routine Revisions - The routine method of revision is done by issuing page changes, as required, which contain all needed changes developed by the date of issue.

(b) Temporary Revisions - A temporary revision is issued to disseminate information which is sufficiently urgent to justify priority and expedited action.

(2) Action to correct misspelled words or to improve sentence structure will be held until a routine revision is made.

B. ROUTINE REVISIONS

(1) Changes to the basic ATA Code Listing will be issued as "page changes" ready for insertion. A Transmittal page will accompany all changes issued, and is identified by a black rectangle located in the upper left-hand corner with the word CHANGE contained therein. The Transmittal page will identify the ATA Codes being changed, indicate the change number, show the effective date of the change(s), provide a synopsis of the major changes, and include a Page Control Chart to indicate the pages to be removed and/or inserted, as appropriate.

(2) A RECORD OF CHANGES page, VN Form 4100-65, is included in the ATA Code Listing to record the date the change was inserted into the document. This page will provide a quick reference for determining the revision status of the specific ATA Code.

(3) If most of the data in a paragraph or section has been revised, an asterisk will be placed at the highest level to indicate that all the data in the section or paragraph has been revised. The asterisk will be removed at subsequent revisions so that only changes made by the current revision are indicated.

C. TEMPORARY REVISIONS

(1) Temporary Revisions (TR's) are issued on blue-colored paper and have the statement "Temporary Revision" shown in the page header. Each TR will show the date of issue, TR number, filing instructions, and an expiration date when appropriate.

(2) Each TR is numbered using the last two digits of the year of issue, a digit or digits which show the current change number of the basic manual at the time the TR is issued, and a number denoting the issue sequence during the year (i.e., 03-04-01). Where 03 is 2003, 04 is the fourth change to the basic AVN ATA Codes , and the 01 is the first TR issued in 2003.

(3) Temporary Revisions are issued to manual holders and the Electronic Library.

(4) Temporary Revisions will be filed as per instructions on the Control Page. The TR will be included in the next routine revision.

(5) Each ATA Code Listing will have a Record of Temporary Revisions sheet (blue colored) which will be filed following the basic manual Record of Revision sheet. The TR revision sheet will be initialed by the person placing the TR in the ATA Code Listing.

D. REVISIONS RESPONSIBILITIES

(1) AVN-300 is responsible for:

(a) Assuring the ATA Codes meet regulatory compliance.

(b) Standardization of format.

(c) Ensuring manufacturer changes are incorporated into the applicable ATA Code revision.

(d) Control of changes for these ATA Codes.

(e) Printing of the changes.

(f) Distribution of the changes.

(g) Soliciting comments and making necessary corrections.

(h) Make the ATA Codes or appropriate portions available to any person performing maintenance or ground operation on AVN aircraft.

(2) Users are responsible for:

(a) Forwarding suggested corrections and changes to AVN-320 for processing.

(b) Maintaining assigned ATA Codes, including changes. Each person issued a copy of this document is responsible for inserting all revisions and being familiar with its contents.

(c) Personnel making copies of pages in the ATA Codes or off the WEB are reminded that these copies are only valid for immediate use.

E. SUGGESTED CHANGES

Suggested changes and temporary revisions will be forwarded using Request for Action, VN Form 4100-170 (see GMM Chapter IV) through the employee's supervisor, to the Manager, AVN-320, for review and processing. All proposed changes will be reviewed for compliance with AVN policy and regulatory requirements before submittal to the approving officials.

A copy of all -170 forms incorporated will be retained on file for a period of one year or until the next change in the same area, whichever occurs first.

F. PROCESSING CHANGES

(1) Routine Revisions: Routine revisions to the ATA Codes will be developed from the Temporary Revisions and other requests for changes accumulated for that period. All proposed changes will be addressed. This change will supersede all previously issued Temporary Revisions. The Quality Assurance Branch, AVN-320, is responsible for development, review, revisions, coordination, formatting revisions indicators and regulatory compliance before printing and distribution of these changes.

(2) Temporary Revisions: Temporary Revisions will be issued at such times when the program requires urgent changes in order to successfully meet its mission. The Manager of AVN-320 is responsible for the development and coordination of Temporary Revisions. All Temporary Revisions will be coordinated with AVN-320 for printing and distribution. Temporary Revisions will remain in effect until either a superseding temporary revision is issued or the text is canceled or incorporated in the ATA Codes in a routine revision.

G. LIST OF EFFECTIVE PAGES (LEP)

The Table of Contents contains change numbers and date following the page number for each section.

CHAPTER I. GENERAL

5. DISTRIBUTION AND ACCESS

A. GENERAL

Distribution will be processed by the Quality Assurance Branch, AVN-320.

Hard copies of the AVN ATA Codes will be maintained at the following offices:

(1) Program Standards Section, AVN-328 (Master Copy)

Access to the AVN ATA Codes for other personnel is provided through a website located at "http://avn.faa.gov/index.asp?xml=fimo/eml."

B. LOCATION OF ATA CODES AND COPY REQUIREMENTS

The Quality Assurance Branch, AVN-320, controls and maintains the Distribution List for the ATA Codes. AVN-320 will make available (as indicated in Paragraph A) a copy of the ATA Codes, or appropriate portions, to any personnel performing maintenance or ground operations on AVN aircraft. AVN-320 identifies the required number of copies to met distribution requirements.

(1) Each organization receiving a copy of the ATA Codes will be responsible for its security, maintenance and currency. The person revising the ATA Codes will follow the instructions included with the revision as previously outlined in Section 4 of this chapter. Revision to the website will be made as changes are issued.

(2) Request for distribution of the ATA Codes or additional copies, should be made by written request through the Manager, Quality Assurance Branch, AVN-320.

CHAPTER I. GENERAL

6. AIR TRANSPORT ASSOCIATION SYSTEM DOCUMENT CONTROL

A. GENERAL

The document control system is used in the maintenance and operation of AVN aircraft. All manufacturer maintenance and operational material is incorporated into the applicable document which becomes the approved document for maintenance and/or operation of the AVN aircraft.

The Program Standards Section, AVN-328, will maintain any documents managed under the process.

B. CHANGES

Authorized material, revisions or deletions applicable to the document will be issued to the affected manual through the use of "Change" pages. These change transmittals will be sequentially numbered and controlled within the individual document revision checklist.

C. LIST OF EFFECTIVE PAGES

A list of effective pages and chapter table of contents identifying the change number and date will be issued for the document.

CHAPTER II. AIRCRAFT

11. PLACARDS AND MARKINGS

1100 For discrepancies on all placards, decals and markings installed by the manufacturer or those required by government regulations, Engineering Orders (EO's), Service Bulletins (SB's) Supplemental Type Certificate (STC), etc.

CHAPTER II. AIRCRAFT

12. SERVICING

1200 Aircraft Cleaning (See 1272 For Engine Compressor Wash)

For reports indicating a problem relating to cleanliness of the aircraft i.e., washing, cleaning and polishing, including windshield and side windows.

1201 General Greasing/Lubricating

For general lubrication of aircraft components not covered in another code.

1221 Air Conditioning System Servicing

For servicing freon air conditioning systems.

1224 Battery Disconnect and Reconnect

For disconnecting and reconnecting battery to prevent discharging battery.

1228 Fuel Servicing

For servicing with aviation fuel.

1229 Hydraulic Fluid Servicing

For servicing with hydraulic fluid.

1230 Ice/Rain Protection System Servicing

For servicing with any type of anti-ice fluid or rain protection.

1232 Landing Gear Servicing

For servicing brake system and main and nose gears with fluid, air, nitrogen, etc.

1235 Oxygen System Servicing

For servicing liquid or gaseous oxygen.

1238 Lavatory/Toilet Servicing

For servicing the lavatory or toilet.

1272 Engine Compressor Wash

For engine compressor water and chemical wash.

1279 Oil Servicing

For servicing with aviation lubricating oil.

CHAPTER II
SECTION 13
RESERVED

CHAPTER II. AIRCRAFT

14. HARDWARE

1400 Miscellaneous Hardware

For miscellaneous parts that are not associated with an installed aircraft component or system. Use this code when there is insufficient information to file in a more specific ATA 1400 series code. Typical parts are sealant, safety wire, small clips, brackets, clamps, knobs, etc.

1410 Hoses and Tubes

For reports indicating a problem with any aircraft or engine hose that are not associated with a specific aircraft system.

1420 Electrical Connectors

For reports indicating a problem with any aircraft or engine electrical connector that is not associated with a specific aircraft system.

1430 Fasteners

For reports indicating a problem with any aircraft or engine fastener that are not associated with a specific aircraft system. Typical parts are generic AN bolts, nuts, rivets, etc.

1440 Corrosion/Paint Defects

For reports on minor corrosion and paint defects.

1497 Miscellaneous Wiring

For reports indicating a problem with any aircraft or engine wiring that is not associated with a specific aircraft system.

CHAPTER II. AIRCRAFT

15. INSPECTIONS

1501 Walk Around Safety Check/Daily

Use this ATA code for this type inspection.

1502 Daily/Monthly

Use this ATA code for this type inspection.

1503 Ten Day Check

Use this ATA code for this type inspection.

1504 30 Day Check

Use this ATA code for this type inspection.

1505 Service Check

Use this ATA code for this type inspection.

1506 "A" Check

Use this ATA code for this type inspection.

1507 "B" Check

Use this ATA code for this type inspection.

1508 "C" Check

Use this ATA code for this type inspection.

1509 "D" Check

Use this ATA code for this type inspection.

1510 "D1" Check

Use this ATA code for this type inspection.

1511 "D2" Check

Use this ATA code for this type inspection.

1512 "D3" Check

Use this ATA code for this type inspection.

1513 "D4" Check

Use this ATA code for this type inspection.

1514 Special Inspection

Use this ATA code for this type inspection.

CHAPTER III. AIRFRAME SYSTEMS

21. AIR CONDITIONING

2100 Air Conditioning System See 1221 for Servicing

For miscellaneous parts that cannot be associated with specific air conditioning, pressurization, or distribution codes. Examples are lines, hoses, etc., with no reference to the specific using system on the incoming report. Also, for those units and components furnishing a means of pressurizing, heating, cooling, moisture controlling, filtering and treating the air used to ventilate areas of the fuselage within the pressure vessel. AFIS cooling write-ups, nose bay cooling, etc.

2110 Aux Air Cooling System See 2150 for Main System

The units and system supplying cooled air to the flight inspection equipment rack. For reported problems with the compressor unit and the associated system. Typical parts are evaporator, blower motor, compressor, compressor drive motor, drive belt, hoses, lines, ducts and indicating systems related to the aux air system components.

2120 Air Distribution System

The system used to induct and distribute air. Does not include valves that are a part of the temperature control, pressurization or the distribution fan. Typical parts are equipment rack cooling systems, ozone converters, scoops, ducting, inlets, check valves, wiring, etc.

2121 Air Distribution Fan

For reports pertaining to the fan/blower including associated motor which distributes air within the confines for comfort or equipment cooling. Typical parts are bearing, bushing, motor, etc.

2130 Cabin Pressure Control System See 5210 for Door Seal

For reports of miscellaneous system components or parts other than the controller, indicator, sensor, regulator, or outflow valves. Typical parts are amplifier, switch, electrical connector, door seal solenoid, etc.

2131 Cabin Pressure Controller

For the reports pertaining to the controller units only and not for the system. The defective part should be identified by the part name and part number whenever possible.

2132 Cabin Pressure Indicator

For reports of the cabin pressurization system, pressure indicators and associated system parts.

2133 Pressure Regulator/Outflow Valve

For reports of outflow/dump valves and associated parts such as linkage, filter, diaphragm, etc.

2134 Cabin Pressure Sensor

The units and systems, which measure differential, pressure and transmit a signal. Typical parts are pressure switch, transducer, etc.

2140 Heating System See 2120 for Ducting

The units and systems supplying heated air to the cockpit or cabin. Includes the heat source (heater), controlling aspects and temperature sensors/indicators. Typical parts are fuel pump, filter, plumbing, circuitry, relay, heat exchanger, igniter, etc.

2150 Cabin Cooling System See 2110 for Aux System

The units and systems supplying cooled air to the cockpit or cabin. Does not include the temperature control and indicating system. Typical parts are flow valve, relay, condenser, ram air sensor, heat exchanger, cooling turbine, air cycle machine, etc. Parts in main freon system, including quill shaft, bearings and belts, compressor, condensor fan, evaporator, evaporator blower motors, flow control, bypass valve, etc. VCS-Lear (Vapor Cycle System).

2160 Cabin Temperature Control System

The units and circuitry other than the control unit that are used for controlling the temperature of the air in the cockpit and cabin. Typical parts are control valves, thermal sensing devices, switches, amplifiers and wiring.

2161 Cabin Temperature Controller

For reports on the cabin temperature controller or the parts within the cabin temperature control unit.

2162 Cabin Temperature Indicator

For reports of the indicators, lamps and associated circuitry that indicate the air temperature in the cabin. Ambient air temperature.

2163 Cabin Temperature Sensor

For reports of the sensors and associated circuitry that sense the temperature of the air in the cabin and relay a signal to the indicator.

2170 Humidity Control System

For reports of system parts that control humidity. Typical parts are bag, sock, filter, moisture separator, etc.

2197 Air Conditioning System Wiring

For reports indicating a problem with wiring specific to the air conditioning system.

CHAPTER III. AIRFRAME SYSTEMS

22. AUTO FLIGHT

2200 Auto Flight System

The units and components that furnish a means of automatically controlling flight of the aircraft. Includes those units and components controlling direction, heading, attitude, altitude and speed. Use this code when there is insufficient information to file in a more specific ATA 2200 series code.

2210 Autopilot System

For reports of miscellaneous parts associated with the autopilot system used for controlling attitude and direction. The major components such as computer, servo and controller are to be filed in the specific ATA 2200 series code. Typical parts are yaw damper, cable, trim servo cable, switch, sensor, relay, autopilot trim button, pitch trim switch, trim switch, etc

2211 Autopilot Computer

For reports pertaining to the autopilot computer only. Typical parts are resistor, circuit board, capacitor or power supply, etc.

2212 Altitude Controller

The units transmitting output information signals to automatically maintain a predetermined altitude, rate of climb or descent. Does not include the connecting system parts such as the sensor switch.

2213 Flight Controller

The command unit of an autopilot system. It is manually operated to generate signals which cause the aircraft to climb, dive or perform coordinated turns.

2214 Autopilot Trim Indicator

The instrument and associated circuitry that indicate the trim position selected by the pilot.

2215 Autopilot Main Servo

The unit mechanically connected to primary flight control actuating mechanisms, that are used to mechanically reposition control surfaces in accordance with electrical or pneumatic signals from a controller.

2216 Autopilot Trim Servo

The units mechanically connected to flight control cables, etc., for making minor corrections in aircraft attitude or direction.

2220 Speed-Attitude Correction System

The system that automatically maintains safe flight conditions by correcting for effects of speed and out-of-trim conditions by such means as automatic trim, mach trim, or speed stability and mach feel. This includes sensing, computing, actuating, indicating, internal monitoring, warning devices, horizontal stabilizer trim control system (HSTCS), etc.

2230 Auto Throttle System

The system that automatically controls the position of the throttles to properly manage engine power during all phases of flight/attitude. This includes engaging, sensing, computing, amplifying, controlling, actuating and warning devices. Typical parts are amplifiers, computers, servos, limit switches, clutches, gearboxes, warning lights, etc.

2250 Aerodynamic Load Alleviating

The system that automatically corrects and provides for gust loading/upset, aerodynamic augmentation, alleviation, suppression, ride control, etc. This includes sensing, computing, actuating, indicating, internal monitoring, warning devices, etc.

2297 Auto Flight System Wiring

For reports indicating a problem with wiring specific to the Auto Flight/Auto Pilot System.

CHAPTER III. AIRFRAME SYSTEMS

23. COMMUNICATIONS

2300 Communications System

The units and components furnishing a means of communicating from one part of the aircraft to another and between the aircraft or ground stations, includes voice, data, continuous wave (C-W) communicating components, passenger announcement systems, intercom, in-flight telephones, and tape reproducers-record player. Use this code when insufficient information is reported to file in a more specific ATA 2300 series code. Also for reports of units or parts common to more than one communication system.

2310 HF Communications System

The system parts and circuitry including the receiver, transmitter, and antenna used exclusively in the high frequency (HF) communications.

2311 UHF Communications System

The system parts and circuitry including the receiver, transmitter, and antenna used exclusively for ultra high frequency (UHF) communications.

2312 VHF Communications System

The system parts and circuitry including the receiver, transmitter, and antenna used exclusively for very high frequency (VHF) communications. Includes #1, #2, and #3 VHF comm.

2320 Data Transmission Auto Call

The system components and parts which present data derived from pulse coded transmissions. Includes "selective calling" (SELCAL), "aircraft communications addressing and reporting system" (ACARS), teleprinter, etc.

2330 Entertainment System

For reports on passenger entertainment system or components such as amplifier, cassette recorder/player, control panel, speaker, video equipment, etc.

2340 Interphone/Passenger Announcement (PA) System

For reports on the interphone/passenger announcement (PA) system, including the amplifier used for communication by flight and ground personnel to communicate between areas on the aircraft. ICS/LRU.

2350 Audio Integrating System

For reports of the system components and parts including the control panel and amplifier that control output of communications and navigation receivers into flight crew headphones and speakers. Also includes output from microphones into communications transmitters. Typical parts are microphones, cockpit speakers and headphones, includes communication. bleed over, noise canceling, headphone and mike jacks, push to talk switch (PTT), etc.

2360 Static Discharge System

The parts dissipating static electricity. Does not include bonding straps on engine or airframe used to assure paths for DC current, which are filed in ATA code 2430. Typical parts are wick, base, bonding strap, etc.

2369 Corrosion of Static Discharge System Components

Use this code for corrosion of components in the static discharge system.

2370 Audio/Video Monitoring

For reports on installations that record or monitor crew or passenger conversation or movement for security or safety purposes. Includes voice recorder, television, monitor, etc.

2397 Communications System Wiring

For reports indicating a problem with wiring specific to the Communications Systems.

CHAPTER III. AIRFRAME SYSTEMS

24. ELECTRICAL POWER

2400 Electrical Power System

The electrical units and components that generate, control and supply AC/DC electrical power for other systems through the secondary busses. For reports on electric power generating system parts and circuitry other than major components reported with insufficient information to file in a specific ATA 2400 series code. Typical parts are circuit breaker, relay, connector, resistor, wire bundles, switches, fuses, etc.

2410 Alternator-Generator Drive

For reports on constant speed drive (CSD) unit mounted on turbine engines to drive alternating current (AC) producing alternators at a predetermined and constant RPM. Typical parts are shaft seal, shaft, etc.

2420 AC Generation System

For reports of system parts other than the alternator, regulator, AC inverter or phase adapter generating an alternating current for aircraft which incorporate an alternating current electrical system. Used primarily with large, turbine engine powered aircraft. Ram Air Turbine generator (RAT), Air Driven Generator (ADG). Does not include the using systems.

2421 AC Generator-Alternator

The engine driven component that generates alternating current (AC) for aircraft with AC electrical systems. Does not include single units used for both engine starting and electric power generating. Typical parts are bearing, shaft, housing, and integrated drive generator (IDG) which contains both AC and DC generators.

2422 AC Inverter

The component which converts direct current to alternating current.

2423 Phase Adapter

The component used to change the alternating current (AC) phase of output for specific using equipment.

2424 AC Regulator See 2436 for DC Regulators

The component that regulates the AC voltage from the alternator-generator to maintain a set voltage output for the using systems (i.e., generator control unit) GCU.

2425 AC Indicating System

The equipment indicating voltage, current flow and system faults in the AC power systems.

2430 DC Generating System

The system parts and circuitry, other than the generator/alternator and DC generation system regulator, used to generate a direct current (DC); or from an alternator, the output of which is rectified to DC. Typical parts are relay, switch, sensor, reverse current relay, GCU, etc.

2431 Battery Overheat Warning System

The system parts that sense and warn/indicate of a battery overtemperature condition. Typical parts are sensor, lamp, gauge, etc.

2432 Battery/Charger System See 1224 for Battery Disconnect and Reconnect

The component providing a source of DC voltage and current flow independent of rotating generators and alternators. Main battery, emergency power supply #1, and #2, IRU battery, AMPS 2000 battery, Lear standby battery. Typical parts are battery, charger, cell, case, post, etc.

2433 DC Rectifier/Converter

The component that converts AC current for the using systems. Transformer Rectifier Unit (TRU) and vent blowers.

2434 DC Generator-Alternator

The engine driven component generating a direct current (DC) or a rectified alternating current for aircraft with DC electrical systems. Does not include mounting brackets, drive belts and pulleys external to the unit. Typical parts are bearing, housing, coupling, fan, capacitor, drive, brush, seal, clutch, armature, end bell, shaft, field winding, case bolt, ground stud, etc.

2435 Starter-Generator

The single component used for both engine starting and direct current generation on turbine engines. Typical parts are bearing, shaft, fan, retainer ring, armature, brush, housing, end bell, terminal, etc.

2436 DC Regulator

The component that regulates direct current voltage from a generator or alternator.

2437 DC Indicating System

The equipment indicating voltage, current flow, and system faults in the DC power systems.

2440 External Power System

The electrical system within the aircraft that is used to connect external power to the aircraft's electrical system. Does not include the external power supply units. Typical parts are receptacle, switch, indicator lamp, etc.

2450 AC Power Distribution System

The electrical system providing for connection of AC power to using systems. Does not include the using system. Typical parts are main and secondary system buss, circuit breaker, limiter, jumper, load meter switch, etc.

2460 DC Power Distribution System

The electrical system that provides for connection of DC power to using systems. Does not include using system. Typical parts are main and secondary system buss, circuit breaker, buss tie breaker, limiter, jumper, load meter switch, etc.

2497 Electrical Power System Wiring

For reports indicating a problem with wiring specific to the electrical power systems not reportable in the power distribution systems.

CHAPTER III. AIRFRAME SYSTEMS

25. EQUIPMENT/FURNISHINGS

2500 Cabin Equipment/Furnishings

The removable items of equipment and furnishings mounted or contained in the flight, passenger, cargo, accessory compartments and areas described in other ATA 2500 series codes shown below. Does not include structure or equipment assigned specifically to other ATA codes.

2510 Flight Compartment Equipment

The removable equipment and furnishings within the cockpit or crew station of a general nature and not specifically covered in other ATA 2500 series codes. Typical parts are seats, shoulder harnesses, take-up harness reels, seat belts, sun visors, panels, map case, attach brackets and hardware, etc.

2520 Passenger Compartment Equipment

The removable equipment and furnishings within the cabin of a general nature and not specifically covered in other ATA codes. Typical parts are seats, seat belts, hat rack, coat closet, panel, including passenger comfort items such as personal blankets, pillows, etc.

2530 Buffet/Galleys

For reports pertaining to any of the galley equipment. Typical parts are hot plate, coffeepot, food carts, ovens, tray, pad, relay, switch, connector, dispenser, etc.

2540 Lavatories

The units and associated systems and parts located in lavatories. Does not include wash basins and other waste disposal items in ATA code 3830. Typical parts are trash containers, dispensers, etc.

2550 Cargo Compartments

The compartments for the storage of baggage and cargo, including external mounted pods, does not include the exterior door, hinges and latches that are filed in ATA code 5230. Typical parts are tie downs, restraint nets, and equipment for loading and unloading cargo (includes external load handling equipment).

2560 Emergency Equipment

The components, parts and systems carried for emergency use other than those specifically referenced in other ATA 2500 series codes. Does not include fire extinguishers, oxygen equipment and flashlights. Flashlights are filed under ATA code 3350. Typical parts are escape slide girt bars, Smoke mask, PBE Hoods, etc.

2561 Life Jacket

For reports of defective parts of life jackets used for flotation of individual persons.

2562 Emergency Locator Beacon

The components transmitting an electronic signal on an emergency frequency to assist in locating a crashed aircraft. Typical parts are impact switch, antenna, battery pack, etc.

2564 Life Raft

The inflatable component that provides emergency flotation for two or more persons in event of ditching in water. Typical parts are bottle, valve, oral pump, etc.

2565 Escape Slide

The inflatable component that enables rapid evacuation from an aircraft cabin to ground level during emergencies on the ground. Typical parts are valve, bottle, inflation handle, mount brackets, door, latch, etc.

2570 Accessory Compartment

The compartments for the housing of various components or accessories with insufficient information to file in a more specific ATA 2500 series code. Life raft cabinet, etc.

2571 Battery Box Structure

The structure supporting aircraft batteries, contains vents and provides overboard draining. Typical parts are vent cap, drain tube, insulator, cover, etc.

2572 Electronic Shelf Section

The shelves and attaching parts supporting the electronic equipment within the fuselage. Does not include the equipment used for equipment cooling such as fans and blower motors. Typical parts are equipment cooling ducts, avionics racks, etc.

2597 Equipment/Furnishings Wiring

For reports indicating a problem with wiring specific to the Equipment/Furnishing Systems.

CHAPTER III. AIRFRAME SYSTEMS

26. FIRE PROTECTION

2600 Fire Protection System

The fixed and portable units and components that detect and indicate fire or smoke, store and distribute fire extinguishing agent to all protected areas of the aircraft. For reports of a general nature with insufficient information to file in a more specific ATA 2600 series code.

2610 Detection System

The system used to sense and indicate the presence of overheat or fire in all protected areas. Use this code when there is insufficient information to file in a more specific ATA 2600 series code.

2611 Smoke Detection

The system used to sense and indicate the presence of smoke in all protected areas of the aircraft. Typical parts are detector, sensor, wiring, relay, amplifier, test circuit, etc.

2612 Fire Detection

The system used to sense and indicate the presence of fire in all protected areas of the aircraft. Typical parts are detector, sensor, wiring, relay, amplifier, test circuit, etc.

2613 Overheat Detection

The system used to sense and indicate the presence of an overheat condition in all protected areas of the aircraft. Typical parts are detector, sensor, pylon heat detector, wiring, relay, amplifier, test circuit, etc.

2620 Extinguishing System

For reports of the components and parts other than the fixed or portable bottles used to extinguish fire. Typical parts are valve, squib, control module, switch, tubing, blowout disk, etc.

2621 Fire Bottle, Fixed

The fixed fire bottle and associated parts that store extinguishing agent under pressure. Typical parts are bottle, bracket, Engine fire bottle, APU fire bottle.

2622 Fire Bottle, Portable

The portable fire extinguishes mounted within the flight compartment and cabin.

2697 Fire Protection System Wiring

For reports indicating a problem with wiring specific to the Fire Protection System.

CHAPTER III. AIRFRAME SYSTEMS

27. FLIGHT CONTROLS

2700 Flight Control System

The units and components furnishing a means of manually controlling the flight attitude characteristics of the aircraft. Also includes the functioning and maintenance aspects of the flaps, spoilers and other control surfaces, but does not include the structure, which is covered in the Structures ATA Chapters 55 or 57. Use this code for reports of flight control problems of a general nature involving two or more systems, or that contain insufficient information to file in a more specific ATA 2700 series code. An example would be a cable defect reported without reference to the using system or an interconnect between two systems. Typical parts are hydraulic boost system, controls, mounting brackets, etc.

2701 Control Column Section

The component and associated parts mounted onto the control wheel, that transmits motion from the cockpit to connecting cables, pushrods, etc., to actuate the aileron and elevator, stabilator, ruddervator control surfaces. Typical parts are control wheel, bearing, socket, guide, bushing, pulley bracket, sprocket, chain, stops, etc.

2710 Aileron Control System See 5751 Also

The system components and parts from the control column to the aileron surface that cause actuation (deflection). Includes manual and power assisted systems but does not include the autopilot actuation mechanism which is filed in ATA Chapter 22. Also includes brackets for the support or attachment of pulleys, pushrods, and bellcranks. Does not include control surface hinges or structure filed in ATA code 5751. Typical parts are actuator, valve, rod end, pulley, cable, bellcrank, turnbuckle, stops, aileron position indicator, aileron brush seals, etc.

2711 Aileron Tab Control System

The system components and parts controlling movement and position of the trim tab on the aileron. Includes the cockpit control. Typical parts are jackscrew, cable, pulley, turnbuckle, stops, etc.

2720 Rudder Control System

The system components and parts from the cockpit pedals to the rudder surface which cause movement. Includes manual and power assisted systems other than the actuator and autopilot actuating mechanism. Also includes brackets for the support or attachment of pulleys, pushrods, and bellcranks. Does not include control surface hinges or structure filed in ATA code 5540 or the yaw dampers filed in ATA code 2210. Typical parts are cable, rod end, turnbuckle, bolt, pedal, spring, torque tube, control valve, stops, etc.

2721 Rudder Tab Control System

The system components and parts of the rudder trim control system, from the cockpit control to the rudder that causes deflection. Does not include hinges or structure, which are filed in ATA code 5543, or the yaw dampers, which are filed in ATA code 2210. Typical parts are actuator, actuator bracket, cable, pulley, chain, rod end, bellcrank, rudder trim indicator, etc.

2722 Rudder Actuator

The system components and parts which actuate the rudder. Typical parts are motor, actuator, actuator bracket, jackscrew, rod-end, seals, rudder boost including computer and transducers, etc.

2730 Elevator Control System

The system components and parts including actuator from the control column to the elevators that cause movement. Does not include hinges, structure, and balance weights filed in ATA code 5520, or the autopilot servo in ATA code 2216. Typical parts are torque tube, cable, rod end, stops, actuator, feel computer, bracket, control valve, bob weight, etc.

2731 Elevator Tab Control System See 2210 for Trim Switch

The system components and parts from the cockpit trim control to the elevator, ruddervator or stabilator tab, which controls position and movement. Includes the manual and electrical trim system parts. Does not include the hinges or structure, which are filed in ATA code 5520, the balance weights in ATA code 5520, or the autopilot servo in ATA code 2216. Typical parts are jackscrew, cable, actuator, sensor, motor, chain, sprocket, indicator, pitch trim, flutter damper, etc.

2740 Stabilizer Control System See 5511 Also

The system components and parts from the cockpit control to the stabilizer, except the actuator which controls position of the horizontal stabilizer for pitch trim (usually found on high performance turbine powered aircraft). Also for stabilator control systems on aircraft utilizing a single horizontal tail surface for both the stabilizer and elevator. Does not include structure in ATA code 5511. Typical parts are cable, bellcrank, pulley, control valve, indicator, Lear Mach Trim, etc.

2741 Stabilizer Position Indicating

The system components and parts that sense, transmit, and indicate relative position of movable stabilizers for purpose of pitch trim. Typical parts are indicators, transmitters, Pitch trim indicator, etc.

2742 Stabilizer Actuator

The component that actuates the horizontal stabilizer to infinite angles of incidence to provide pitch trim. Includes both manual and power assist types. Typical parts are actuator, actuator bracket, clutch, motor, seal, etc.

2750 Trailing Edge Flap Control System See 5753 Also

The system components and parts, except the actuator and position indicator that controls position and movement of wing trailing edge flaps. Does not include the structure, carriage, fittings, tracks and rollers which are filed in ATA code 5753; or the motor or actuator that causes movement of the flaps and are filed in ATA code 2752. Typical parts are control valve, switch, flow limiter, cable, torque tube, transmission, jackscrew, bypass valve, limit switch, return spring, buss cable, etc.

2751 Trailing Flap Position Indicating System

The system components and parts that sense, transmit and indicate trailing edge flap position relative to the wing surface. Typical parts are indicator, transmitter, position module, asymmetry switch, comparator, etc.

2752 Trailing Edge Flap Actuator

The component that actuates the trailing edge flaps. Typical parts are motor, actuator, seal, jackscrew, rod end, actuator support fittings, etc.

2760 Drag Control System See 5755 for Spoiler

The system components and parts other than actuator that control position, movement, and indicate relative position of drag device and variable aerodynamic surfaces on the wing includes speed brake systems. Does not include structure and hinges filed in ATA code 5755. Typical parts are valve, hose, push rod, line, cable, indicator, spoiler, airbrake, speed brake, spoileron, computer, CMD potentiometer, etc.

2761 Drag Control Actuator

The components that actuate spoiler and speed brake surfaces on the wing for speed and lift reducing purposes. Typical parts are seal, rod end bearing, rod end, etc.

2770 Gust Lock Damper System

The system and components protecting flight control surfaces from movement and damage by wind gusts while the aircraft is on the ground. Includes cockpit controlled surface locks common in light aircraft and independent hydraulic gust damper units mounted at each flight control surface on large jet powered aircraft. Does not include the dampening feature of the flight control power boost systems, that are filed with the specific control system (i.e., rudder damper). Typical parts are damper, cylinder, seal, rod end, lock pin cable, etc.

2780 Leading Edge Slat Control System

The system components and parts, except the actuator and position indicating system that control the position and movement of the wing leading edge devices used for lift augmenting. Does not include the structure, hinges, and parts that do not cause movement of the surface filed in ATA code 5754. Typical parts are leading edge flaps, variable opening wing slots, priority valve, switch, cable, pulley, actuator bracket, torque shaft, regulator, etc.

2781 Leading Edge Position Indicating System

The transmitter, indicator, warning lamps, and associated circuitry providing relative position information of wing leading edge devices to the flight crew. Includes Angle of attack (AOA) indicator and transmitter (transducer).

2782 Leading Edge Slat Actuator

The component causing movement of the wing leading edge device control surfaces. Does not include related system or position indicating. Typical parts are actuator, actuator bracket, seal, etc.

2797 Flight Control System Wiring

For reports indicating a problem with wiring specific to the Flight Control Systems.

CHAPTER III. AIRFRAME SYSTEMS

28. FUEL

2800 Aircraft Fuel System See 1228 For Servicing

The units and components storing and delivering fuel to the engine. Includes the integral tank leak detection and sealing. Does not include the structure of integral, tip fuel tanks, fuel cell backing boards covered in the structures ATA Chapters 53 and 57, or the fuel flow rate sensing, transmitting, or indicating systems that are covered in ATA Chapter 73. Use this code for fuel system reports with insufficient information to file in a more specific ATA 2800 series code. This code is also used to report problems involving two or more aircraft fuel system ATA codes.

2810 Fuel Storage

The portion of the fuel system used for the storage of fuel. Does not include defects in the wing primary structure of integral tanks. Typical parts are removable metal tank, tip tank, header tank, bladder fuel cell, tank interconnect lines, vent line, vent valve, drain valve, filler cap, filler neck, check valve, vent tube, cap seal, filler adapter, outlet fitting, screen, fueling panel, tank strap, sealant, microbiological growth, fuel vent heater, fuel cap lanyard, sumps, check valve, etc.

2820 Aircraft Fuel Distribution System

The portion of the aircraft fuel system other than selector valves, transfer valves, electric motor driven pumps used to distribute fuel from the tank outlet to the powerplant or up to the strainer unit. Includes the switch that senses failure of a system pump, and the switch that automatically activates the boost pump. Typical parts are lines, fittings, actuating linkage for the fuel selector/shutoff valve, etc.

2821 Aircraft Fuel Filter/Strainer

The component that filters unmetered fuel upstream of the engine fuel control. Does not include the engine fuel metered control system filters (filed in ATA code 7300). Typical parts are screen, housing, bowl, gasket, plunger, stand pipe, etc.

2822 Fuel Boost Pump

The electric motor/engine driven pumps providing fuel under pressure to the engine fuel control for starting and emergency use. Includes parts of the pump, associated motor and electrical circuitry/switch. Does not include pressure switch or indicating system. Typical parts are housing, seal, motor, brush, bearing, connector, and fuel transfer pump, etc.

2823 Fuel Selector/Shut-Off Valve

The component and associated controls and position indication units that provide for specific tank selection or shutting off flow to the engine. Typical parts are housing, rotor, handle, guard, seat, seal, selector valve, shutoff valve, spring, etc.

2824 Fuel Transfer Valve

The component and associated control linkage that provide for the transfer of fuel between tanks for cross-feeding to alternate engine fuel systems. Typical parts are, seal, housing, rotor, handle, transfer valve, motive flow valve, fuel relay panel, etc.

2830 Fuel Dump System

The system and components that provide for the jettison of fuel overboard during flight. Typical parts are valve, switch, dump chute, etc.

2840 Fuel Indicating System

For general reports pertaining to the aircraft fuel indicating systems, but with no specific reference to the transmitter (tank unit) or indicator. Does not include engine fuel pressure reports, that are filed in ATA code 7332, or flow indication system in ATA code 7331. Typical parts are circuit breaker, connector, pressure switch, indicator lights, etc.

2841 Fuel Quantity Indicator

The indicator and low level warning system used to indicate the quantity of fuel in the tanks. Typical parts are indicator, lamp, bulb, fuel counter, etc.

2842 Fuel Quantity Sensor

The tank unit that measures and transmits a quantity level signal to the cockpit indicator. Typical parts are transmitter, float switch, probe, sensor, totalizer, tank unit float, gasket, etc.

2843 Fuel Temperature Indicator

The tank unit that measures the temperature of fuel in the tanks.

2844 Fuel Pressure Indicator

The tank unit that measures the pressure of fuel in the tanks. Typical parts are the pressure switch and indicator lights, etc.

2897 Fuel System Wiring

For reports indicating a problem with wiring specific to the Fuel System.

CHAPTER III. AIRFRAME SYSTEMS

29. HYDRAULIC POWER

2900 Hydraulic Power System See 1229 For Servicing

The units and components that furnish hydraulic fluid under pressure to a common point (manifold) for re-distribution to other defined systems. For miscellaneous system parts other than components listed under other specific ATA Chapter 29 codes. Also, for reports of units or parts common to two or more components.

2910 Hydraulic System, Main

The portion of the main system that is used to store and deliver hydraulic fluid to the using system. Includes all hydraulic systems other than those designated emergency or standby. Does not include the supply valves to the using systems. Typical parts are tanks, accumulators, valves, pumps, levers, cables, line, hose, relief, shutoff valves, check valves, wiring, switches, external connectors, plumbing, etc.

2911 Hydraulic Power Accumulator, Main

The component that provides for pressure surges to maintain a constant pressure in the system. Typical parts are accumulator, seal, end cap, air valve, etc.

2912 Hydraulic Filter, Main

The component that filters sediment from the hydraulic fluid in the main system. Typical parts are seal, gasket, housing, element, packing, etc.

2913 Hydraulic Pump (Electric/Engine), Main

The component that provides hydraulic fluid pressure to using systems but does not include the using systems. Includes power packs incorporating integral pumps, electric motors, and solenoids used in certain light aircraft models. Also includes pumps such as those used in flight control systems on large aircraft. Typical parts are pump, motor, shaft, brush, solenoid, case, power pack, seal, switch, etc.

2914 Hydraulic Handpump, Main

The manually actuated pump for emergency system pressure. Typical parts are housing, piston, handle, lever, seal, etc.

2915 Hydraulic Pressure Relief Valve, Main

The unit that relieves system relief pressure at a preset pressure. Typical parts are seal, spring, housing, relief valve, etc.

2916 Hydraulic Reservoir, Main

The component which stores hydraulic fluid. Typical parts are reservoir, filler cap, filler neck, sight gauge, seal, etc.

2917 Hydraulic Pressure Regulator, Main

The unit that maintains a preset operating system pressure to the using systems. Typical parts are regulator, seal, case, etc.

2920 Hydraulic System, Auxiliary

The portion of the main system that is classified as auxiliary, emergency, or standby, and that is used to supplement or take the place of the main hydraulic fluid to the using system. Does not include the supply valves to the using system. Typical parts are tank, accumulator, valve, pump, lever, cables, switch, plumbing, wiring, external connectors and miscellaneous auxiliary system parts other than those listed in ATA codes 2921 through 2934.

2921 Hydraulic Accumulator, Auxiliary

The component that provides for pressure surge to maintain a constant pressure in the auxiliary system. Typical parts are accumulator, seal, end cap and air valve, etc.

2922 Hydraulic Filter, Auxiliary

The component that filters sediment from the hydraulic fluid in the auxiliary system. Typical parts are seal, gasket, housing, element, and packing, etc.

2923 Hydraulic Pump, Auxiliary

The component that provides hydraulic fluid pressure to the using auxiliary system. Typical parts are pump, motor, shaft, brushes, case, seals, switches, ADG Hand pump, etc.

2925 Hydraulic Pressure Relief, Auxiliary

The unit that relieves auxiliary system pressure. Typical parts are seal, spring, housing, relief valve, etc.

2926 Hydraulic Reservoir, Auxiliary

The unit that stores auxiliary hydraulic fluid. Typical parts are reservoir, filler cap, filler neck, sight gauge, etc.

2927 Hydraulic Pressure Regulator, Auxiliary

The unit that maintains a preset operating system pressure to the using auxiliary hydraulic system. Typical parts are regulator, seal, case, etc.

2930 Hydraulic Indicating System

For reports of hydraulic pressure and quantity indicating system parts other than the indicator or sensor or for parts common to both pressure and quantity systems.

2931 Hydraulic Pressure Indicator

The instrument and associated low pressure warning system that registers system pressure. Typical parts are indicator, warning lamp, bulb, etc.

2932 Hydraulic Pressure Sensor

The components that sense system pressure and transmit a signal to the cockpit indicator or low pressure warning lamp. Typical parts are transmitter, pressure switch, sensor, etc.

2933 Hydraulic Quantity Indicator

The instrument and associated low level warning system that registers reservoir fluid quantity. Typical parts are indicator, lamp, bulb, sight gage, etc.

2934 Hydraulic Quantity Sensor

The components that sense the fluid level and low level warning and transmit a signal to the quantity indicator. Typical parts are transmitter, sensor, float switch, etc.

2997 Hydraulic Power System Wiring

For reports indicating a problem with wiring specific to the Hydraulic Power System.

CHAPTER III. AIRFRAME SYSTEMS

30. ICE AND RAIN PROTECTION

3000 Ice/Rain Protection System See 1230 For Servicing

The units and components that provide a means of preventing or disposing of formation of ice and rain on various parts of the aircraft. Includes miscellaneous items with insufficient information to file in a specific ATA 3000 series code. Does not include the basic windshield panel.

3010 Airfoil Anti/Deice System

The system components and parts including the boots, which provide for wing and empennage leading edge ice prevention or removal. Does not include ducts upstream of the airfoil control/selector valves. Typical parts are timer, valve, switch, hose, flow valve, duct, duct coupling, thermostat, EVA tubing, wing deice boots, stab heat, etc.

3020 Air Intake Anti/Deice System

The system and components that eliminate or prevent the formation of ice in or around air intakes such as turbine engine cowling. Does not include engine anti-icing reports filed in ATA code 7510. Includes the electrically heated boot at the air intake lips.

3030 Pitot/Static Anti-Ice System

The heating elements in the pitot-static pick up heads to eliminate or prevent the formation of ice. Does not include defects with the pitot or static systems. Typical parts are element, switch, wiring, etc.

3040 Windshield Rain/Ice Removal

The system and components that are used to clear, eliminate or prevent the formation of rain, ice or frost on the windshield or windows. Does not include reports of glass panel cracking filed in ATA code 5610. Typical parts are motor, actuator, wiper blade, hydraulic converter, shaft, line, switch, the electrical heating portion of heated glass panels, control units, alcohol deice system lines, tanks, pumps, valves, etc.

3050 Antenna/Radome Anti-Ice/Deice System

The system that is used to eliminate or prevent the formation of ice on antennas and radomes.

3060 Propeller Anti-Ice/Deice System See 6112 for Boots, Slip ring, etc

The system components and parts that are used to eliminate or prevent the formation of ice on propellers. Includes electrically heated systems and alcohol spray systems. Does not include the system parts on the rotating portion of the propeller that are filed in ATA code 6112. Typical parts are brush block, timer, switch, relay, harness, terminal block, etc.

3070 Water Line Anti-Ice System

The system that is used for prevention of ice in water supply and drain lines.

3080 Ice Detection

The system that is used to detect and indicate the formation of ice. Typical parts are panel, detector, etc.

3097 Ice/Rain Protection System Wiring

For reports indicating a problem with wiring specific to the Ice/Rain Protection System.

CHAPTER III. AIRFRAME SYSTEMS

31. INSTRUMENTS

3100 Indicating/Recording System

The pictorial coverage of all instrument panels and controls. Procedural coverage of those systems that give visual or aural warning of conditions in systems that record, store, or compute data from unrelated systems. Includes the system or units which integrate indicating instruments into a central display system not related to any specific system.

3110 Instrument Panel

The removable cockpit instrument and control panels. Includes the mounting hardware and shock absorbing devices.

3120 Independent Instruments

The units that measure time, log elapsed time of operation or measure acceleration/deceleration forces. Typical parts are hour meter, pressure switch, line, clock, etc.

3130 Data Recorders (Flight/Maintenance) See 2370 for CVR

The unit that continuously records critical flight, aircraft and powerplant system data, such as attitude, air speed, altitude, engine power, etc., to be used in the event of a crash. Includes the system and parts that provide a source of power and inputs from various sources critical to flight, to the flight data recorder. Typical parts are spool rod, magazine, Crash Survival Memory Unit (CSMU), Data Processing Unit (DPU), Signal Condition Unit (SCU), Data Transfer Interface Unit (DTIU), ECTM, EDS Recorder, EDU Strain Gauges, etc.

3140 Central Computers

The systems and components used for computing data from a number of different sources without a preponderance of functions in any one system, for call up on a display. Includes integrated instrument systems such as engine, airplane power and central warning indicators when combined into a central display. Typical parts are "digital core avionic system" (DCAS), "engine indications and crew alerting system" (EICAS), stored checklist, emergency procedures, company regulations, FDP, MWS, power monitor, etc.

3150 Central Warning

The panels and associated circuitry that warn of potential problems in two or more independent or related systems. Warnings can be either audible or visual. Typical parts are annunciator panel, relay, lamp, PC board, diode, throttle microswitch, etc.

3160 Central Display

The systems and components that give visual display of conditions in unrelated systems.

3170 Automatic Data

The systems and components used for collating and computing data from unrelated systems and transmitting the same automatically. Includes "aircraft to satellite data relay" (ASDAR) system and components.

3197 Instrument System Wiring

For reports indicating a problem with wiring specific to the Instrument Systems.

CHAPTER III. AIRFRAME SYSTEMS

32. LANDING GEAR

3200 Landing Gear System See 1232 For Servicing

The units and components that furnish a means of supporting and steering the aircraft on the ground or water, and make it possible to retract and store the landing gear in flight. Includes the functioning and maintenance aspects of the landing gear doors, but does not include the door structure, which is covered in ATA Chapter 52. Use this code for general landing gear reports with insufficient information for filing in a more specific ATA 3200 series code.

3201 Landing Gear/Wheel Fairing

The wheel fairings and attaching parts. Typical parts are bracket, fender, fairing, curtain, etc

3210 Main Landing Gear

The miscellaneous parts of the main landing gear system that cannot be directly associated with a specific main gear code, such as attachment, strut, axle, truck, etc. This code is not to be used for the retraction/extension system or the doors.

3211 Main Landing Gear Attach Section

The parts and assemblies that attach the main landing gear to the airframe structure. Typical parts are fitting, bolt, U-bolt, casting, supports, attaching hardware, etc.

3213 Main Landing Gear Strut/Axle/Truck

The main landing gear components and parts such as struts, axles, trucks that support the aircraft on the ground or water. Typical parts are shock device, torque link, and beam.

3220 Nose Landing Gear

The miscellaneous parts of the nose gear system that cannot be directly associated with a specific nose gear code such as attachment, struts, axles, etc. This code is not to be used for extension/retraction mechanism, steering/dampening system or doors.

3221 Nose Landing Gear Attach Section

The parts and assemblies that attach the nose gear to the airframe structure. Typical parts are fittings, bolts, U-bolts, casting, supports, hardware, etc..

3222 Nose Landing Gear Strut/Axle

The nose gear component parts such as shock struts and axles that support the aircraft on the ground. Torque links are included, but steering/shimmy dampening systems and units are excluded.

3230 Landing Gear Retraction/Extension System

The miscellaneous parts of the retraction and extension systems other than actuators and door actuating mechanism. Typical parts are leveling cylinders, centering system, actuator brackets, bungees, emergency extension system parts, uplocks/downlocks, uplock/downlock actuator, drag braces, reversing valve, hydraulic restrictor, blow down bottle, etc.

3231 Landing Gear Door Retract Section

The nose and main landing gear door actuating system parts other than the actuator. Excludes door structure and hinges that are to be filed in ATA code 5280. Typical parts are bellcrank, rod, sequence valve, latch, lines, hoses, bushings, bolts, linkage, etc.

3232 Landing Gear Door Actuator

The actuating units that open and close the landing gear doors.

3233 Landing Gear Actuator

The actuating units that retract and extend the nose or main gear. This includes electric motors, hydraulic cylinders, but not self-contained electric motor driven hydraulic pumps such as power packs, that are filed in ATA code 2913. Typical parts are actuator, seal, piston, cylinder, centering system, bungee spring, circuit breaker, etc.

3234 Landing Gear Selector

The selector valves, switches or control levers used to direct a power source to actuators for gear retraction and extension.

3240 Landing Gear Brake System

The brake system miscellaneous parts other than the brake assembly, master cylinder, power valve and anti-skid system. Includes the pressure source and associated system for emergency brake actuation and brake anti-ice system. Typical parts are line, hose, fitting, park brake valve, gauge, brake air pressure, brake reservoir, etc.

3241 Brake Anti-Skid Section

The system units and parts that automatically control brake pressure during landing roll to prevent tire skidding. Typical parts are transducer, control box, valve, Maxaret, etc.

3242 Brake

The parts of the brake unit mounted at the wheels only. Typical parts are disc, cylinder, lining, seal, rotor, housing, etc.

3243 Master Cylinder/Brake Valve

The units that provide a power source for cylinder-power brake actuation. Does not include connecting lines to brake units, which are filed in ATA code 3240. Typical parts are seal, piston, housing, etc.

3244 Tire (Defects)

For reports of tire defects and failures.

3245 Tire (Normal Wear)

Use this code for reporting wheel and tire changes for normal tire wear.

3246 Wheel (Defects)

For reports of defective wheels, and associated parts such as bearings, dust seals, bolts, etc.

3250 Landing Gear Steering System

The miscellaneous system parts other than the actuator that provide for aircraft directional control on the ground. Includes main gear steering systems. Does not include wheel-braking systems. Typical parts are cable, rod end, collar, line, valve, accumulator, etc.

3251 Steering Unit

The actuator that turns the wheel(s) by a power source for controlling direction of movement on the ground. Typical parts are cylinder, seal, etc.

3252 Shimmy Damper

The devices mounted on steerable wheel forks to reduce shimmy. Typical parts are seal, spring, housing, link, etc.

3260 Landing Gear Position and Warning

The system parts that provide indication and warning of the landing gear position. Includes gear safety switches that prevent inadvertent actuation such as squat or air/ground sensor. Typical parts are relay, switch bracket, lamp, horn, uplock switch, downlock switch, in transit switch, squat switch, proximity switch, etc.

3270 Auxiliary Gear (Tail Skid)

The devices such as tailskids on tricycle gear aircraft used to stabilize the aircraft on the ground and to prevent ground contact damage. This code is not for auxiliary or emergency landing gear extension systems that are filed in ATA code 3230.

3297 Landing Gear System Wiring

For reports indicating a problem with wiring specific to the Landing Gear System.

CHAPTER III. AIRFRAME SYSTEMS

33. LIGHTS

3300 Lighting System

The units and components that provide for external and internal illumination. Includes light fixtures, switches and wiring. Does not include warning lights for individual systems. Use this code for reports of a general nature or for miscellaneous external and internal lamps, circuitry, switches, etc., with insufficient information to file in a specific ATA 3300 series code. Warning lights are filed in the individual ATA Chapter 33 code.

3310 Flight Compartment Lighting

The lighting systems and equipment, including panel illumination other than inside individual instruments, master warning light systems such as annunciator panels, and associated dimming systems located in the flight compartment only. Typical parts are bulb, socket, switch, lamp, lens, relay, rheostat, resistor, ballast, engine instrument lighting, master warning, etc.

3320 Passenger Compartment Lighting

The lighting systems in the passenger seating compartment, lavatories, buffet/galley compartments and cabin carry-on baggage/coat areas. Includes lamps for illumination of cabin, reading lamps, seat belt/no-smoking signs and passenger call systems. Does not include emergency lighting that is to be filed in ATA code 3350. Typical parts are ballast, switch, transformer, lamp, etc.

3330 Cargo Compartment Lighting

The lighting systems in the compartments used for storage of cargo, baggage, or aircraft system components that require servicing. Does not include electrical systems fire or smoke sensing. Typical parts are circuit breaker, lamp, lens, switch, etc.

3340 Exterior Lighting

The lighting systems for illumination outside the aircraft such as landing, taxi, position, wing illumination, including the rotating beacon and strobe. Typical parts are switch, lamp, power supply, lens, circuit breaker, flasher unit, relay, motor, wheel well lights, brackets, etc.

3350 Emergency Lighting

The cabin, flight compartment, and exterior emergency lighting systems that furnish illumination in event of electrical power failure. This includes batteries, lamps, and associated circuitry and parts for emergency exit lighting, floor lighting battery, flashlights, etc.

3397 Light System Wiring

For reports indicating a problem with wiring specific to the Lighting Systems.

CHAPTER III. AIRFRAME SYSTEMS

34. NAVIGATION

3400 Navigation System

The units and components that provide aircraft navigational information. For reports which are of a general nature relating to the navigation systems. Use this code for reports with insufficient information to file in a more specific ATA 3400 series code.

3410 Flight Environment Data

The system that senses environmental conditions and uses the data to influence navigation.

3411 Pitot/Static System

The system that provides a source of ram or static air for distribution to using instruments and pressure differential units, such as automatic landing gear extender, altimeter, airspeed and rate of climb. Does not include the using units, instruments, the anti-ice heating elements, or the associated circuitry and switches that are filed in ATA code 3030. Typical parts are air pick up heads, lines, fittings, drain valves, static port, selector valve, etc. This also includes defects on the skin surrounding the pitot and static ports such as paint defects, scratches, etc.

3412 Outside Air Temperature Indicator/Sensor

The unit mounted in the engine induction air intake to sense and transmit temperature to the cockpit indicator. Also for the sensors and instruments that measure and indicate the temperature of ambient air outside the aircraft. Includes associated circuitry and related parts. Typical parts are sensor, indicator, case, etc.

3413 Rate of Climb Indicator

The instrument that senses and indicates the rate of climb or descent of an aircraft. Does not include the associated static system. Includes the instantaneous vertical speed indicator (IVSI).

3414 Airspeed/Mach Indicator

The instrument that measures and indicates speed of the aircraft. Does not include the Doppler indicator that is filed in ATA code 3443.

3415 High Speed Warning

The system components and parts, including the computer, that sense, transmit and provide warning when operating air speed limits are exceeded. Typical parts are transducer, stall warning detector, switch, vane, horn, lamp, warning unit computer, module, etc.

3416 Altimeter, Barometric/Encoder

Altimeters and barometric encoders used to measure and indicate altitude. Also includes the unit that senses and alerts to a change in a pre-selected altitude. Does not include the Ground Proximity Systems and radio/radar altimeters that are filed in ATA code 3444. Typical parts are dial, case, pointer, spring, altitude alert, etc.

3417 Air Data Computer

The computer and its integral parts that receive data from various environmental sensing systems, computes this data and makes it available to the various navigation systems. ADC, air data panel. Does not include external hardware such as cables, mounting racks, remote switches, etc., that are filed in ATA code 3410.

3418 Stall Warning System

The system components and parts, including the computer that senses, transmits and provide aural, visual and stick shaker warning of an aircraft in an impending flight stall condition. Typical parts are transducer, stall warning detector, switch, vane, horn, lamp, stick shaker unit (SSU), heater element, warning unit computer, module, lift computer, etc.

3420 Attitude and Direction Data System

The system components and parts that use magnetic, gyroscopic and inertia forces to indicate an aircraft attitude and direction. Use this code for reports with insufficient information to file in ATA codes 3421 through 3425. Includes such items as the inertial reference system (IRS), AHRS, standby attitude indicator, etc.

3421 Attitude Gyro and Indicating System

The gyroscopic unit that supplies attitude information to the necessary systems; for instance, vertical reference outputs for use as roll and pitch data to the autopilot computer. Includes the instruments operating by the gyroscopic principle, driven by airflow or an electric motor. Typical parts are vertical gyro and the gyro horizon, rate gyro.

3422 Directional Gyro and Indicating System

The unit operating by gyroscopic principle and driven by airflow or an electric motor that provides heading (direction) references relative to a preset heading in degrees of the compass. Also for the flux unit detector that senses the earth's magnetic field and uses this data to correct for gyro drift. Typical parts are gyro, rotor, bearing, compass amplifier, etc.

3423 Magnetic Compass

Standby compass, the instrument that indicates the magnetic heading of an aircraft by self contained magnetized needles. Typical parts are compensator, adjusting screw, gasket, float, case, etc.

3424 Turn and Bank/Rate of Turn Indicator

The instrument actuated by gyroscopic forces and driven by air flow or electric motor to indicate both rate of turn and angle of bank.

3425 Integrated Flight System

The system that computes, interrogates and continuously displays basic attitude, position and steering information in order to maintain a particular course, heading, or attitude. Does not include flight management system components, that should be assigned to ATA code 3460. Typical parts are integrated flight annunciator, integrated flight comparator, integrated flight computer/amplifier, integrated flight control and integrated flight indicators (i.e., horizontal situation indicator (HSI), attitude and direction indicator (ADI), attitude direction unit (ADU), heading and direction indicator (HDI), radio direction indicator (RDI), course direction indicator (CDI), flight director indicator (FDI), multi-function display (MFD), Primary Flight Display (PFD), vertical navigation (VNAV), pictorial navigation indicator, flight command indicator, steering computer utilized in the integrated flight instrument systems, mode selector, flight director, heading bug, nav select panel, and other components such as cables, connectors, etc.

3426 EFIS Tube

For reports on problems with EADI or EHSI.

3427 Symbol Generator

For reports on problems with symbol generators.

3430 Landing and Taxi Aids

The system providing guidance during approach, landing and taxiing. Includes such items as ILS, paravisual director, ground guidance systems, markers, etc.

3431 Localizer System (ILS)

The electronic portion of an instrument landing system (ILS) that indicates the centerline of the runway to the pilot. For reports on localizer systems. Typical parts are receiver, antenna, indicator, circuit breaker, switch, antenna coax, etc.

3432 Glide Slope System

The system that provides an instrument needle reference from an electronic signal radiated from a ground transmitter to enable the pilot to fly the proper glide path for landing under instrument meteorological conditions. Typical parts are circuit breaker, switch, receiver, antenna, indicator, etc.

3433 Microwave Landing System (MLS)

The instrumental landing system operating in the microwave spectrum that provides lateral and vertical guidance to aircraft having compatible avionics equipment. Typical parts are receiver, antenna, control panel, etc.

3434 Marker Beacon System

The system that provides an aural and visual indication of passage over specified points on the glide path for landing under instrument meteorological conditions. NOTE: In instances where the control panel is an integral portion of the audio control panel, it would be filed in ATA code 2350. Typical parts are marker beacon antenna, receivers, visual/aural indication units, marker light, control panel, etc.

3436 Wind Shear Detection System

The flight instrument system that allows the pilot to detect strong horizontal or vertical wind shifts that act at right angles to the direction the wind is blowing. Includes the outboard sensors, indicators and the warning system that notifies the pilot of the appropriate corrective action/maneuver to take.

3440 Independent Position Determining System

The system that provides information to determine position and is primarily independent of ground installations. Use this code for reports of a general nature or for reports containing insufficient information to file in a more specific code identified in ATA codes 3441 through 3446. Typical parts are star tracker, sextants/octants, etc.

3441 Inertial Guidance System

The navigation system that relies upon gyro platforms and accelerometers for its operation. Includes the control panel for the inertial navigation system; the instruments that receive their signal from the Inertial Navigation Unit (INU), Inertial Reference Unit (IRU) and the unit containing the inertial platform and digital computer portion of the system. Use this ATA code for hardware components that do not have specific ATA codes assigned to them or when a system malfunction or failure occurs but the exact cause is not known. Typical parts are mode selector unit (MSU), control display unit (CDU), remote display unit (RDU), Laser reference, etc.

3442 Weather Radar System

The system components and parts that transmit and receive a signal independent of ground facilities to determine the relative position of adverse weather cells. Typical parts are transceiver, antenna, control panel for the weather avoidance radar system, accessory synchronizers, servo amplifier, scope, etc.

3443 Doppler System

The airborne radar system that utilizes the Doppler effect to measure and display ground speed, drift angle, cross track, etc.

3444 Ground Proximity Warning System

The system that detects and alerts flight crew to potential terrain hazards. Includes the antenna that transmits and receives an electronic signal for the radio altimeter equipment used for terrain-to-aircraft distance. Also includes the component that interprets a radio signal reflected back to a receiver to determine distance from the nearest terrain; and the components that process the warning computer input signals from various sources in order to determine if, and when, the crew should be alerted of a terrain hazard. Radar altimeter, Radio altimeter, Ground Proximity Warning System (GPWS).

3445 Air Collision Avoidance System

The system that provides information to determine aircraft position and is primarily independent of ground installations (i.e., traffic alert and collision avoidance system – TCAS). Use this code only if the specific system creating the problem cannot be established. Typical parts are collision avoidance monitoring units, Graphics computer, etc.

3446 Non Radar Weather System

The non-radar weather system and components that sense the electrostatic charges accumulated around a storm cell in order to "map out" that cell on an indicator.

3450 Dependent Position Determining System See 4350 for ICDU

The system that provides information to determine position and is mainly dependent on ground installations. Use this code for reports of a general nature or for those with insufficient information to file in a more specific ATA code identified in ATA codes 3451 through 3457. Central Display Unit (CDU).

3451 DME/TACAN System

The systems that measures time-to-station, ground speed and distance to a known transmitter location by transmitting and receiving electronic pulse signals (i.e., distance measuring equipment – DME; ultra high frequency tactical air navigational aid – TACAN). Typical parts are antenna, control unit, transceiver, coaxial cables, Signal Acquisition Unit (SAU), etc.

3452 ATC Transponder System

The air traffic control (ATC) system that receives coded signals from a ground station and transmits a coded reply for altitude reporting and identification purposes. Typical parts are transponder, antenna, control unit, transceiver, coaxial connecting cables, IFF for the Hawker, ATC xponder, etc.

3453 Long-Range Navigation (LORAN) System

The radio navigation system and associated components and parts that provide for long range navigation (LORAN) enroute when operating on signals from ground based master and slave transmitting stations. Typical parts are antenna, coupler, CPU, receiver, indicator etc. i.e.; KLN-88

3454 Visual Omnirange (VOR) System

The radio navigation system in the very high frequency (VHF) band used for determining position relative to a ground transmitter and permits selection of an infinite number of magnetic courses for navigation to a transmitter (i.e., visual omnirange – VOR system). Typical parts are receiver, antenna, control panel, etc. RMI, BDI (nav control panel, nav receiver).

3455 Automatic Direction Finder (ADF) System

The low frequency band system that receives a signal from a non-directional radio beacon to determine relative position from the beacon location (i.e., automatic direction finder – ADF system). Typical parts are antenna, control unit, receiver, coaxial cables, etc.

3456 Omega Navigation System

The low frequency navigation system that provides for system geographical location of the aircraft on a worldwide basis when operating on signals from ground-based OMEGA and VHF transmitting stations. Typical parts are antenna, control unit or receiver, coaxial connecting cable, remote switches, connectors, etc.

3457 Global Positioning System

The systems that are mainly dependent upon signals from ground transmitters or orbital satellites for their operations; systems such as VOR, ADF, DME, etc. Use this ATA code when there is insufficient information to assign one of the specific using system codes. Typical parts are antenna, control unit or receiver, coaxial connecting cable, remote switches, connectors, Trimble CDU, GPS receiver, Global Navigation System Satellite Unit (GNSSU), etc.

3460 Flight Management Computing Hardware System

The hardware systems that combine navigational data to compute or manage the aircraft's geographical position or theoretical flight path. Typical parts are course computers, flight management computers, performance data computers, and associated control display units, warning annunciators, FMS CDU and NCU, DTU, etc.

3461 Flight Management Computing Software System

The software system that combines navigational data to compute or manage the aircraft's geographical position or theoretical flight path. FMS database.

3497 Navigation System Wiring

For reports indicating a problem with wiring specific to the Navigation Systems.

CHAPTER III. AIRFRAME SYSTEMS

35. OXYGEN

3500 Oxygen System See 1235 For Servicing

The units and components that store, regulate and deliver breathing oxygen to the passengers and crew. Typical parts are bottles, relief valves, shut-off valves, outlets, masks, regulators, etc.

3510 Crew Oxygen System

The portion of the main system that furnishes oxygen to the crew.

3520 Passenger Oxygen System

The portion of the main system that furnishes oxygen to the passengers.

3530 Portable Oxygen System

The equipment attached to the portable bottle to regulate and dispense breathing oxygen, including the storage bottle for the portable oxygen system, walk-around bottles, masks, etc.

3597 Oxygen System Wiring

For reports indicating a problem with wiring specific to the Oxygen System.

CHAPTER III. AIRFRAME SYSTEMS

36. PNEUMATIC

3600 Pneumatic System

The units and components that deliver large volumes of compressed air from a power source to connecting points for other systems such as air conditioning, pressurization, deicing, etc.

3610 Pneumatic Distribution System

Components and parts, other than the regulator and shutoff valves, delivering large volumes of compressed air from a power source to the control valves of using systems such as conditioning and pressurization. Does not include engine and airfoil anti-icing/deicing systems. Typical parts are regulator valve, actuator, duct, duct valves, manifold, clamp, flow venturi, bellows, wye duct, check valve, flow control valve, flow pack, ECS valve, mixing valve, bit ball, etc.

3620 Pneumatic Indicating System

The system components and parts that sense, transmit and indicate the temperature and pressure of air in the distribution system other than the pressure indicator or sensor. Includes the instrument that indicates air pressure in the pneumatic distributing system. Does not include the using systems.

3697 Pneumatic System Wiring

For reports indicating a problem with wiring specific to the Pneumatic System.

CHAPTER III. AIRFRAME SYSTEMS

37. VACUUM

3700 Vacuum System

The units and components used to generate, deliver and regulate negative air pressure. Use this code for general reports of the pressure/vacuum system with insufficient information to file in a more specific ATA 3700 series code.

3710 Vacuum Distribution System

The system components and parts that are used to distribute low volume, negative pressure air (suction) to systems such as gyroscopic flight instruments, cabin rate controller, etc.; and to distribute low volume, positive pressure air to systems such as airfoil deicer boots. Does not include the using systems. Typical parts are pump, filter, regulator, oil separator, lines, manifold, check valves, element, etc.

3720 Vacuum Indicating System

The system components and parts that indicate negative air pressure in the vacuum lines. Includes the indicator and warning systems. Typical parts are the vacuum indicator and associated lines.

3797 Vacuum System Wiring

For reports indicating a problem with wiring specific to the Vacuum System.

CHAPTER III. AIRFRAME SYSTEMS

38. WATER/WASTE

3800 Water and Waste System See 1238 For Servicing

The fixed units and components that store and deliver fresh water. Also includes those fixed components that store and furnish a means of removal of water and waste. Use this code for reports with insufficient information to file in a more specific ATA 3800 series code. This code is also used for reports common to two or more systems.

3810 Potable Water System

The system that is used to store and deliver fresh drinking water.

3820 Wash Water System

The system that is used to store and deliver wash water.

3830 Waste Disposal System

The system and components used for the disposal of water and waste. Includes wash basins, water closets, flush systems and collection tanks. Typical parts are valve, flush motor, lines, timer, etc.

3840 Air Supply (Water Pressure System)

The system that provides the pressure to distribute potable water to the lavatories, etc. Typical parts are pump, motor, lines, etc.

3897 Water/Waste System Wiring

For reports indicating a problem with wiring specific to the Water/Waste System.

CHAPTER III
SECTIONS 39 - 42
RESERVED

CHAPTER III. AIRFRAME SYSTEMS

43. FLIGHT INSPECTION EQUIPMENT

THE FOLLOWING 43 SERIES CODES ARE TO BE USED FOR FLIGHT INSPECTION EQUIPMENT ONLY

4300 Flight Inspection Navigation System

The units and components that provide flight inspection navigational information. For reports that are of a general nature relating to the navigation systems. Use this code for reports with insufficient information to file in a more specific ATA 4300 series code.

4310 Data Processing

4311 For reports pertaining to the Navigation Computer Unit (NCU) including ADADS, Keyboard, Hard Drive, Tape Drive, ICDU, Plasma Display

4312 For reports pertaining to the In-Flight Workstation (Miltope Display)

4313 For reports pertaining to the Data Converter/Concentrator (Data Loader, Reload Program)

4320 Peripherals

4321 For reports pertaining to the Oscilloscope

4322 For reports pertaining to the Spectrum Analyzer

4323 For reports pertaining to Instruments and Displays (RMI, CDI)

4324 For reports pertaining to Printers and Plotters (Event Marker)

4325 For reports pertaining to Magnetic and Solid State Recording Devices

4330 Landing Aids

4331 For reports pertaining to the Localizer System (ILS)

4332 For reports pertaining to the Glideslope System

4333 For reports pertaining to the Microwave Landing System

4334 For reports pertaining to the Marker Beacon System

4335 For reports pertaining to the Microwave Scanning Beam Landing System

4340 Independent Position Determining System

4341 For reports pertaining to the Inertial Guidance System

4342 For reports pertaining to the Television Positioning System (TVPS)

4343 For reports pertaining to the Laser Range Finder System (Laser Altimeter)

4350 Dependent Position Determining System

4351 For reports pertaining to the DME/TACAN System

4352 For reports pertaining to the Radio Telemetering Theodolite (RTT) System

4353 For reports pertaining to the Loran System

4354 For reports pertaining to the VOR System

4355 For reports pertaining to the ADF System (AGC, DF Antenna Array)

4356 For reports pertaining to the RFI/NASE Direction Finding System

4357 For reports pertaining to the Global Positioning System (GPS)

4360 Communications

4361 Reserved

4362 For reports pertaining to the VHF Communications System (AGC)

4363 For reports pertaining to the Satellite Communications System (SATCOM)

4364 For reports pertaining to the Airborne Communications Addressing and Reporting System

4365 For reports pertaining to the Differential GPS Data Link System

4366 For reports pertaining to the Other Data Link System

4367 For reports pertaining to the Audio Integration and Interphone System (i.e. Technician Foot Switch).

4370 Electrical Power

4371 For reports pertaining to the AC Power System

4372 For reports pertaining to the Power System

4373 For reports pertaining to the Power Control System

4397 For reports pertaining to Flight Inspection System Wiring

4399 Use this code for ramp cal's, software updates, etc.

CHAPTER III
SECTION 44
RESERVED

CHAPTER III. AIRFRAME SYSTEMS

45. CENTRAL MAINTENANCE SYSTEM

4500 Central Maintenance Computer

The unit, components and associated systems that interface with other airplane systems and provides a convenient way of communicating system problems to aircraft maintenance personnel. The system contains checkout and fault isolation procedures using a central computer to locate a single system or component malfunction. Typical parts are computer, storage devices, controls, display, etc.

4597 Central Maintenance System Wiring

For reports indicating a problem with wiring specific to the Central Maintenance System.

CHAPTER III
SECTIONS 46 - 48
RESERVED

CHAPTER III. AIRFRAME SYSTEMS

49. AIRBORNE AUXILIARY POWER

4900 Airborne Auxiliary Power Unit (APU) System

The airborne auxiliary power units (APU) installed on aircraft for the purpose of generating and supplying a single type or combination of auxiliary electric, hydraulic, pneumatic or other power. Does not include generators, alternators, hydraulic pumps, etc., or their connecting systems which supply and deliver power to their respective aircraft systems. Use this code for reports of a general nature with insufficient information to file in a specific ATA 4900 series code, or for reports that involve two or more APU systems

4910 APU Cowling/Containment

The system of cowling and other components used to cover the auxiliary power unit, and contain any broken parts in the event of an external failure.

4920 APU Core Engine

For reports of basic engine defects such as compressor, turbine, cases other than specific systems shown in other APU sub-systems such as fuel, ignition, exhaust, starting and controls. Typical parts are turbine, bearing, seal, impeller, blade, case, burner can, etc.

4930 APU Engine Fuel and Control

The system and components that furnishes fuel from the aircraft tanks to the APU fuel control and associated injector nozzles. Including the unit that provides fuel at the proper pressure for fuel control operation; and the unit controlling and injecting metered fuel to the engine burner can section. Typical parts are shutoff valve, line, fitting, etc.

4940 APU Start/Ignition System

The system units used to start the APU engine. Including the unit that provides a power source to the igniter during the starting cycle. Typical parts are ignition unit, igniter, starter, etc.

4950 APU Bleed Air System

The system and components that provide and control a source of pressure and high volume of air for aircraft using systems such as engine starting, cabin air conditioning prior to starting engines. Typical parts are duct, bleed valve, clamp, seal, etc.

4960 APU Controls

The system components that electrically and manually control operation of the APU engine. Typical parts are relay, control box, etc. Lear APU Fan and load control valve, ECU, ESU, GCU and interface box.

4970 APU Indicating System

For general reports of APU operation, including the temperature indicator, tachometer generator or indicator (engine speed). Includes the instrument and associated warning system that sense, transmit and indicate APU engine speed and temperatures to the flight crew, i.e.: APU Warning Horn Hour Meter.

4980 APU Air Intake/Exhaust System

Intake - The components and parts that collect and direct air to the APU. Includes inlet ducts, screen, mail slot doors, etc.

Exhaust - The components and parts that collect and direct exhaust gasses from the APU turbine to the aircraft exterior. Includes nozzle, door, movable door fairing, seal, clamp, shield, etc.

4990 APU Oil System

The system and components used for APU engine lubrication. Typical parts are filter, pump, relief valve, hose, line, etc.

4997 APU System Wiring

For reports indicating a problem with wiring specific to the APU System.

CHAPTER III
SECTION 50
RESERVED

CHAPTER III. AIRFRAME SYSTEMS

51. STANDARD PRACTICES/STRUCTURES

5100 Standard Practices/Structures

The standard practices and general procedures for typical repairs applicable to more than one chapter that are not specifically covered under ATA Chapters 52 through 57

5101 Aircraft Structures

For reports of aircraft structural problems of a general nature that affect two or more areas. Includes reports of lightning strikes, hard landings, etc, that cannot be associated with a specific ATA code.

CHAPTER III. AIRFRAME SYSTEMS

52. DOORS

5200 Doors

The removable units used for entrance or exit, and for enclosing other structure contained within the fuselage. Includes passenger and crew doors, cargo doors, emergency exits, etc. Electrical and hydraulic systems associated with door control are included as appropriate. Use this code for door reports of a general nature that affect two or more specific type of doors or are reported with insufficient information to file in a more specific ATA 5200 series code. Entry door light lens.

5210 Passenger/Crew Doors See 2130 for Door Seal Solenoid

For reports of cabin entrance doors. Does not include door frames, warning systems or cabin emergency exit doors/hatches. Typical parts are hinges, actuators, latches, handle, seals, structure, spring, cable, bellcrank, skin, etc.

5220 Emergency Exits

For reports of emergency exit doors, windows and hatches. Typical parts are pan, hinge, latch, hook, etc.

5230 Cargo/Baggage Doors

For exterior doors used to gain access to cargo or baggage storage areas. Does not include door frames on fuselage, door warning or compartment interior furnishings. Typical parts are door structure, seal, hinge, latch, latch pin, handle, skin, etc.

5240 Service Doors

For reports pertaining to exterior doors used to gain access for servicing aircraft systems and equipment. Does not include the fluid service doors that are covered in ATA 5246.

5241 Galley Doors

For reports pertaining to the galley door. Typical parts are hinges, structure, and the latch mechanism.

5242 Electrical/Electronic Compartment Doors

For reports pertaining to the electrical/electronic compartment doors. Typical parts are hinges, structure and the latch mechanism.

5243 Hydraulic Compartment Doors

For reports pertaining to the hydraulic compartment doors. Typical parts are hinges, structure and the latch mechanism.

5244 Accessory Compartment Doors

For reports pertaining to the accessory compartment doors. Typical parts are hinges, structure and the latch mechanism.

5245 Air Conditioning Doors

For reports pertaining to doors used to gain access to the air conditioning compartment system and components. Typical parts are hinges, structure and the latch mechanism.

5246 Fluid Service Doors

For reports of service doors used to gain access to fluid service areas, excluding compartment doors that are filed in ATA code 5243. Typical parts are hinges, structure and the latch mechanism. Fuel service door.

5247 Auxiliary Power Unit (APU) Doors

For reports of doors used to gain access for servicing the APU and components. Typical parts are hinges, structure and the latch mechanism.

5248 Tail Cone Doors See 5350 For Tailcone

For reports pertaining to the tail cone door. Typical parts are hinges, structure and the latch mechanism.

5250 Fixed Inner Doors

For reports of doors within the fuselage in fixed partitions. Typical parts are structure, hinges, latches, lining but does not include doors in movable partitions.

5260 Entrance Stairs

For reports of cabin entrance stairs that operate in conjunction with, but are not an integral part of, entrance doors. Typical parts are structure, actuator, controls and handrails, step, cable, bungee, latch hook, latch, bracket, bellcrank, anti-skid material, etc.

5270 Door Warning System

The system that is used to indicate to flight crews whether the exterior doors are closed and properly latched. Does not include the landing gear position warning indications that are covered in ATA code 3260. Typical parts are switch, lamp, horn, relay, etc. Includes ramp guard system.

5280 Landing Gear Doors

For reports pertaining to the structural aspects of landing gear doors, including hinges and seals on the wing, landing gear and fuselage mounted doors. Does not include the operating mechanism or position indicating warning system that is filed in ATA codes 3231 or 3260.

5297 Door System Wiring

For reports indicating a problem with wiring specific to the Door Systems.

CHAPTER III. AIRFRAME SYSTEMS

53. FUSELAGE

5300 Fuselage Structure (General)

For reports of structural units and associated components and members that make up the compartments for crew, passengers, equipment, cargo, plus the structure of the envelope and gondola of airships.

5310 Fuselage Main, Structure

For general reports of fuselage structure defects that affect two or more related parts or are reported with insufficient information to file in a more specific ATA 5300 series code. Use of this code should be avoided if possible. Includes pressure vessel leaks and sealing.

5311 Fuselage Main, Frame

For reports of the main fuselage frames. The associated attach fittings are covered in ATA code 5320.

5312 Fuselage Main, Bulkhead

For reports of the main fuselage bulkheads and the associated attach fittings.

5313 Fuselage Main, Longeron/Stringer

For reports of the main fuselage longerons/stringers.

5314 Fuselage Main, Keel

For reports of the main fuselage keel beams.

5315 Fuselage Main, Floor Beam

For reports of the main fuselage floor beams.

5320 Fuselage Miscellaneous Structure

For reports of miscellaneous structure on the main fuselage structure that aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, clips, doublers, etc. Does not include movable partitions that are covered in ATA 2500 series code.

5321 Fuselage Floor Panel

For reports of the interior floor panels within the main fuselage structure.

5322 Fuselage Internal Mounting Structure

For reports of the internal mounting structure that aids in the support of the fuselage structure.

5323 Fuselage Internal Stairs

For reports of the internal stairs that are part of the fuselage structure.

5324 Fuselage Fixed Partitions

For reports of the fixed partitions that are part of the fuselage structure.

5330 Fuselage Main, Plate/Skin

For reports of the exterior covering of the fuselage, including access covers.

5340 Fuselage Main, Attach Fittings

For reports of the fittings on the fuselage used for the attachment of doors, wings, stabilizers, landing gear, engine pylons, battery racks and the support of equipment within the fuselage. For reports of fuselage attach fittings that cannot be specifically identified in ATA codes 5341 through 5347.

5341 Fuselage, Wing Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the wings.

5342 Fuselage, Stabilizer Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the stabilizers

5343 Fuselage, Landing Gear Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the landing gear.

5344 Fuselage, Door Hinge

For reports of the fittings on the fuselage used for the attachment of the doors.

5345 Fuselage, Equipment Attach Fittings

For reports of the fittings on the fuselage used for the attachment of equipment, including antenna doublers.

5346 Fuselage, Powerplant Attach Fittings

For reports of the fittings on the fuselage used for the attachment of the powerplant.

5347 Fuselage, Seat/Cargo Attach Fittings

For reports of the fittings on the fuselage used for the attachment of seats and cargo restraint mechanisms, including seat tracks.

5350 Aerodynamic Fairings

For reports of all fixed and removable aerodynamic fairings between the fuselage and wing/flap/empennage/pylon/nacelle attach points. Typical parts are tailcone, radome, fairings, stiffener, skin, screw, fillet, etc.

5397 Fuselage wiring

For reports indicating a problem with wiring specific to the Fuselage System.

CHAPTER III. AIRFRAME SYSTEMS

54. NACELLES/PYLONS

5400 Nacelle/Pylon Structure

For reports of structural units and associated components and members that furnish a means of mounting and housing the powerplant assembly. Includes the structure of powerplant cowling inclusive of the structural portion of the inlet whether or not integral with the aircraft. Structural portions of the exhaust system are excluded where they are not integral with the airframe. Use this code when there is insufficient information to file in a more specific ATA 5400 series code. NOTE: The use of this code should be avoided if possible as a reported defect is not likely to involve both pylon and nacelle.

5410 Nacelle/Pylon, Main Frame

For reports of the structure that houses and supports powerplants. Includes the firewall and all structure aft on multi-engine aircraft. Does not include engine mounting or cowling.

5411 Nacelle/Pylon, Frame/Spar/Rib

For reports pertaining to the main frame, spar or rib structure on the nacelles or pylons.

5412 Nacelle/Pylon, Bulkhead/Firewall

For reports pertaining to the bulkhead or firewall structure on the nacelles or pylons that houses and supports the powerplants. Does not include the engine mounting or cowling. Typical parts are firewall, bulkhead, skin, stringer, beam, splice plate, etc.

5413 Nacelle/Pylon, Longeron/Stringer

For reports pertaining to the longeron or stringer structure on the nacelles or pylons.

5414 Nacelle/Pylon, Plate/Skin

For reports pertaining to the plates or skins on the nacelles or pylons.

5415 Nacelle/Pylon, Attach Fittings

For reports on the fittings on the nacelles/pylons used for the attachment to its connecting structure, powerplant, thrust reverser and for the support of equipment within the nacelle/pylon.

5420 Nacelle/Pylon Miscellaneous Structure

For reports of miscellaneous structure on the nacelle/pylon structure that aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5497 Nacelle/Pylon System Wiring

For reports indicating a problem with wiring specific to the Nacelle/Pylon System.

CHAPTER III. AIRFRAME SYSTEMS

55. STABILIZERS

5500 Empennage Structure

The horizontal and vertical stabilizers include the structure of the elevator and rudder. For general reports of empennage structure that affect two or more surfaces or are reported with insufficient information to file in a more specific ATA 5500 series code.

5510 Horizontal Stabilizer Structure

For reports pertaining to the structural aspects of horizontal stabilizer and stabilators or canard. Includes fuselage and boom-to-surface attach fittings. Does not include actuating mechanism filed in ATA code 2742.

5511 Horizontal Stabilizer, Spar/Rib

For specific reports of spars/ribs on the horizontal stabilizer.

5512 Horizontal Stabilizer, Plate/Skin

For specific reports of plates/skins on the horizontal stabilizer.

5513 Horizontal Stabilizer, Tab Structure

For reports pertaining to the structure and attachment of the tab surface mounted on movable stabilizers and stabilators. Includes hinge brackets and bearings, bushings, hinges, skin, rib, spar, etc. Does not include the actuating mechanism filed in ATA code 2740.

5514 Horizontal Stabilizer Miscellaneous Structure

For reports of miscellaneous structure on the horizontal stabilizer structure that aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5520 Elevator Structure

For reports pertaining to the structural aspects of the movable airfoil hinged to the horizontal stabilizer for longitudinal control. Does not include the stabilator structure that is filed in ATA code 5510 or the torque tubes, that are filed under the actuating mechanism in ATA code 2730. Typical parts are hinge, hinge fittings, bearing, bolt, balance weights, miscellaneous structure, etc.

5521 Elevator, Spar/Rib

For specific reports of spars/ribs on the elevator.

5522 Elevator, Plate/Skin

For specific reports of plates/skins on the elevator.

5523 Elevator, Tab Structure

For reports pertaining to the structure of elevator trim surfaces hinged to elevators. Includes hinge fittings and associated bearings and bolts. Does not include actuating mechanism filed in ATA code 2731.

5524 Elevator Miscellaneous Structure

For reports of miscellaneous structure on the elevator structure that aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5530 Vertical Stabilizer

The structural aspects of the fixed vertical surface attached to the fuselage including the dorsal fin.

5531 Vertical Stabilizer, Spar/Rib

For specific reports of spars or ribs on the vertical stabilizer.

5532 Vertical Stabilizer, Plate/Skin

For specific reports of plates or skins on the vertical stabilizer.

5533 Ventral Structure

For reports pertaining to the ventral structure and skin of the ventral fin mounted on the lower, aft fuselage for added directional stability, i.e.: delta fin. Typical parts are skin, rib, rivet, and miscellaneous parts, etc.

5534 Vertical Stabilizer Miscellaneous Structure

For reports of miscellaneous structure on the vertical stabilizer structure that aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5540 Rudder Structure

For reports pertaining to the structural aspects of the vertical airfoil hinged to the vertical stabilizer. Does not include the actuators, actuator mechanism or mounting that are filed in ATA code 2720. Typical parts are hinge, hinge fittings, bearing, bolt, miscellaneous structure, etc.

5541 Rudder, Spar/Rib

For specific reports pertaining to spars or ribs on the rudder structure.

5542 Rudder, Plate/Skin

For specific reports pertaining to plates or skins on the rudder structure.

5543 Rudder, Tab Structure

For reports pertaining to the structure of the movable surface hinged to the rudder surface for directional trim. Typical parts are skin, hinge fitting, spar, rib. The actuating mechanism is filed in ATA code 2720.

5544 Rudder Miscellaneous Structure

For reports of miscellaneous structure on the rudder structure that aids in the support of the primary structure. Includes such items as brackets, channels, stiffeners, doublers, clips, etc.

5550 Empennage Flight Control Surfaces, Attach Fittings

For miscellaneous reports of fittings on the empennage structure that are used for the support of the flight control, but are not specifically addressed in ATA codes 5551 through 5554.

5551 Horizontal Stabilizer, Attach Fittings

For specific reports pertaining to the fittings on the horizontal stabilizer that are used to support equipment within the structure.

5552 Elevator Tab, Attach Fittings

For specific reports pertaining to the fittings on the elevator or elevator tab that are used to support equipment within the structure.

5553 Vertical Stabilizer, Attach Fittings

For specific reports pertaining to the fittings on the vertical stabilizer that are used to support equipment within the structure.

5554 Rudder/Tab, Attach Fittings

For specific reports pertaining to the fittings on the rudder or rudder tab that are used to support equipment within the structure.

5597 Stabilizer System Wiring

For reports indicating a problem with wiring specific to the Stabilizer Systems.

CHAPTER III. AIRFRAME SYSTEMS

56. WINDOWS

5600 Window/Windshield System

For reports pertaining to the fuselage and crew compartment windows inclusive of windshields. For reports of cockpit and cabin window or windshield defects reported with insufficient information to file in a specific ATA 5600 series code.

5610 Flight Compartment Windows

For reports of all cockpit windows, cockpit overhead canopies, observation windows and windshield panels in the flight compartment. Includes attachment and sliding feature of sliding windows. For cockpit windows, including the breakage of electrically heated windshield panels, regardless of cause. Does not include the heating aspects associated circuitry of heated windshields that are filed in ATA code 3040. Typical parts are windshield, sliding window, seal, frame, panel, latch, hinge, chin bubbles, etc.

5620 Passenger Compartment Windows

For reports of cabin mounted windows in the passenger compartments. Includes the inner and outer windows, frame-attaching hardware and picture windows. Does not include the windows in the escape hatches that are filed in ATA code 5220.

5630 Door Windows

For reports of windows mounted in doors. Does not include emergency exit windows that are filed in ATA code 5220.

5640 Inspection Windows

For windows used for examining compartments and equipment in and about the aircraft such as door latches and cargo bays.

5697 Window System Wiring

For reports indicating a problem with wiring specific to the Window System.

CHAPTER III. AIRFRAME SYSTEMS

57. WINGS

5700 Wing Structure

For reports pertaining to the center wing and outer wing structural units and associated components and members that support the aircraft in flight. This code should be used for general reports of the primary wing structure.

5710 Wing Main, Frame Structure

For general reports of wing structure defects that affect two or more related parts or are reported with insufficient information to file in a more specific 5700 ATA code. Does not include reports pertaining to fuel tank sealing that are filed in ATA code 2810. Excessive use of this code should be avoided if possible.

5711 Wing Spar

For reports pertaining to the spar in the wing structure.

5712 Wing, Rib/Bulkhead

For reports pertaining to the ribs/bulkhead in the wing structure.

5713 Wing, Longeron/Stringer

For reports pertaining to the longerons or stringers in the wing structure.

5714 Wing, Center Box

For reports pertaining to the center wing box structure.

5720 Wing Miscellaneous Structure

For reports of the auxiliary or miscellaneous wing structure. Includes the secondary items used for attachment. Does not include reports for plates or skins. Typical parts are wing tip, clips, brackets, channels, angles, stiffeners, doublers, etc.

5730 Wing, Plate/Skin

For reports of the exterior covering of the wing including the access covers, tip tank fillets or fairings. Includes the leading edge and trailing edge skin, seals, fairings and wing mounted fuel compartment panels.

5740 Wing, Attach Fittings

The structure on the wing used for the attachment of fuselage, nacelle or pylon, and landing gear to the wing and for the support of equipment within the wing. Use this code for reports of wing attachments that can not be specifically identified in ATA codes 5741 through 5744. Does not include flight control or landing gear actuator support fittings that should be coded in the appropriate ATA 2700 or 3200 series code.

5741 Wing, Fuselage Attach Fittings

The fittings on the wing used for attachment to the fuselage structure.

5742 Wing, Nacelle/Pylon Attach Fittings

The fittings on the wing used for attachment to the nacelle/pylon.

5743 Wing, Landing Gear Attach Fittings

The fittings on the wing used for attachment to the landing gear.

5744 Wing, Control Surface Attach Fittings

The fittings on the wing used for attachment to the control surface, including flap carriage fairing.

5750 Wing, Control Surfaces

For reports of a general nature involving the control surfaces that are attached to the wing, including vortex generators.

5751 Ailerons

For reports pertaining to the structural aspects of the aileron mounted on the trailing edge of wing. Includes hinges, balance weights. Does not include operating mechanism that causes the surface to move that is filed in ATA code 2710. Typical parts are skin, rib, spar, bracket, bolt, bearing, bushing, etc.

5752 Aileron Tabs

For reports pertaining to the structural aspects of the surface mounted at the trailing edge of the aileron for lateral trim. Does not include the operating mechanism filed in ATA code 2711. Typical parts are spar, skin, hinge, bracket, bolt, bearing, bushing.

5753 Trailing Edge Flaps

For reports pertaining to the structural aspects of the flap surface mounted on the trailing edge of the wing (includes fore, mid and aft segments). Does not include the operating mechanism such as the actuators, brackets, hydraulic or electric motors. Typical parts are skin, rib, spar, hinges, flap well, flap track, roller, flap carriage, bearing, bolt, rivet, etc.

5754 Leading Edge Devices

For reports pertaining to the structural aspects of the wing leading edge device control surface. Includes hinge, bracket and bolts. Does not include actuators or actuator mounting brackets that are filed in ATA code 2782. Typical parts are skin, rib, track, roller, bearing, carriage, slat rollers, etc.

5755 Spoilers

For reports pertaining to the structural aspects of the movable surface on the upper surface of the wing for drag and lift reducing functions. Does not include operating mechanism such as actuators, hoses, or lines that are filed in ATA codes 2760 and 2761. Typical parts are skin, rib, gusset plate, spoiler and actuator support fittings.

5797 Wing System Wiring

For reports indicating a problem with wiring specific to the Wing Systems.

CHAPTER IV. PROPELLER SYSTEMS

61. PROPELLER

6100 Propeller System

The complete mechanical or electrical propeller, governor, alternators, pumps, motors those units and components external to or integral with the engine used to control the propeller blade angle. Use this code for reports with insufficient information to file in a more specific ATA 6100 series code.

6110 Propeller Assembly

For reports of propeller assembly malfunctions excluding controlling aspects with insufficient information to file in a more specific ATA 6100 series code, or for conditions that affect two or more parts of the propeller such as hub and blades. Includes the propeller retaining nut, etc.

6111 Propeller Blade Section

For reports of blade defects other than deice boots. Includes retaining clamps and blade pitch change actuating mechanism that rotate with the propeller. Typical parts are blade, clamp, link, motor, counterweight, bearing, etc.

6112 Propeller Deice Boot Section

For reports of defective deice/anti-ice system parts on the rotating parts of the propeller, such as blades or spinner. Does not include the power source, controls or other non-rotating system parts in ATA code 3060. Typical parts are boot, cuff, heat element, slip ring, etc.

6113 Propeller Spinner Section

For reports of defective propeller spinner assemblies. Typical parts are shell, backplate, bulkhead, rivets, screw, nut plate, brackets, etc.

6114 Propeller Hub Section

For reports of defective hubs that house and support the rotating blades. Includes the dome, but not the blade actuating mechanism filed in ATA code 6111 or the attachment to engine flange in ATA code 6110.

6120 Propeller Controlling System

For general reports of propeller speed controlling other than the governor unit or the synchronizer. Includes the controlling systems of propellers regardless of the propeller type. (Includes propeller regulator, negative torque switch and the rigging mechanism). Typical parts governor control linkage, levers, cable and associated brackets from the cockpit to the governor, rod end, pressure switch, solenoid valve, beta switch, ground idle solenoid, etc.; the feather and unfeathering systems except the pump and accumulator

6121 Propeller Synchronizer Section

The unit that controls the synchronization of propellers on multi-engine aircraft. Typical parts are synchronizer actuator, computer, synchrophaser, control unit, etc.

6122 Propeller Governor

The unit that controls the propeller blade angle, but is limited to parts in and on the governor. Does not include airframe furnished control linkage from the cockpit that is filed in ATA code 6120. Typical parts are shaft, flyweight, governor, spring, arm, seal, beta valve, pilot valve, head, etc.

6123 Propeller Feathering/Reversing

The component and parts that store and deliver an energy charge for propeller feathering and unfeathering. Includes the pump and associated motor, switch, circuitry and plumbing that provides the force for feathering the propeller blades for stopping the engine's rotation. Does not include propeller feathering system components that are coded in ATA code 6120, such as lever rod end, adjustment screw, solenoid, valves, etc. Typical parts are pump, motor, switch, accumulator, air valve, seal, etc. This includes autofeather.

6130 Propeller Braking

The system components and parts that decrease run-down time or stop propeller rotation during engine power off conditions. This code is applicable to turboprop engines.

6140 Propeller Indication System

The system components and parts that indicate the operation or activation of propeller systems. Typical parts are switch, lamp, connector, harness, rpm indicator, tach generator, proximity switch, etc.

6197 Propeller/Propulsor System Wiring

For reports indicating a problem with wiring specific to the Propeller Systems.

CHAPTER V. POWERPLANT SYSTEMS

71. POWERPLANT

7100 Powerplant System

For general reports concerning the powerplant package. Avoid the use of this code if enough information is provided to file in a more specific ATA 7100 series code.

7110 Engine Cowling System

The enclosure that houses engines for drag reducing and cooling. Includes attachment, structure and access doors. Does not include engine fire seals. Typical parts are latch, fastener, lockpin, hook, skin, nose cap, stud, access door, hinge, hinge pin, rivet, bracket, stiffener, etc.

7111 Engine Cowl Flaps

The flaps mounted in engine cowling for increased cooling airflow. Also includes the component that electrically or hydraulically actuates the cowl flaps. Typical parts are actuator, piston, seal, hinge bracket, skin, doubler, rod, rod end, lever, rivet, bolt, and flap, etc.

7112 Engine Air Baffle Section

For reports of baffles that direct cooling airflow to the accessories. Typical parts are baffle, shield, bracket, shroud, cooling ducts for starters, generators, etc.

7120 Engine Mount Section

The structural framework that supports the engine on the nacelle, firewall or pylon. Typical parts are mount, bracket, fitting, shock mount, bolt, isolator, hanger, etc.

7130 Engine Fireseals

The fire-resistant partitions and seals mounted on or about the power package to isolate areas subject to fire. Does not include firewalls that are filed in ATA code 5412. Typical parts are shroud, bracket, etc.

7160 Engine Air Intake System

The portion of the powerplant system that directs airflow to the engine. Does not include integral structure with the airframe that shall be included in the applicable structures ATA chapter. Typical parts are, alternate air doors, linkages, controls, ducts, hose, air box, latch, seals, nose ring cowls, scoops, compressor fan cowls, compressor fan case, vortex generators, actuators, control handles, cables, wiring, plumbing, doors, warning systems, position indicators, etc.

7170 Engine Drains

The components and manifold assemblies that are used to drain off excess fluids from the powerplant and its accessories. Includes components that are integral parts of, or fitted to the powerplant cowling. Typical parts are drain line, strainer drain, EPA canisters, manifold, flame arrestors, support brackets, etc.

7197 Powerplant System Wiring

For reports indicating a problem with wiring specific to the Powerplant System.

CHAPTER V. POWERPLANT SYSTEMS

72. TURBINE/TURBOPROP ENGINE

7200 Engine (Turbine/Turboprop)

The units and components that are used to induce and convert fuel-air mixture into power, and transmit power to the propeller shaft (if any) and accessory drives. Use this code for general reports concerning engine problems reported with insufficient information to file in a more specific ATA code. Includes reports pertaining to bird strikes to engines/cowling.

7201 Engine Change

Use this code for engine changes.

7210 Turbine Engine Reduction Gear

For reports pertaining to reduction gears, combining gearboxes and propeller drive shafts that are used to transfer power from turboprop and turboshaft engines to the propeller. Do not use this code for accessory devices attached to reduction gearboxes. Typical parts are shaft, gear, bearing, case, torque piston, transfer tube, chip detector (the light is in ATA code 7930), prop seal, prop seal drain line, etc.

7220 Turbine Engine Air Inlet Section

The engine section through which air enters the compressor section. Typical parts are inlet case, inlet cone, inlet screen, guide vane, inlet scroll, etc.

7230 Turbine Engine Compressor Section

The engine section where incoming air is compressed. Includes the operation of variable stator blades, linkage to the various valves and sense lines. Typical parts are case, the rotating portion of the compressor, lines, fan blades, disc, bearing, seal, mount, carbon seal, disc tie bolts, shaft, static and variable stator blades, linkage, actuator, etc.

7240 Turbine Engine Combustion Section

The engine section in which fuel and air are mixed and burned. Typical parts are case, burner can, liner, vane ring, etc.

7241 Hot Section Inspection

Use this code for Hot Section Inspection (HSI).

7250 Turbine Section

The engine section that contains the turbine disc and associated nozzles and cases. Typical parts are case, disc, blade, nozzle, bearing, bearing cover, power turbine, shaft, tie bolts, seals, etc.

7260 Turbine Engine Accessory Drive

The engine mounted gearbox that provides mechanical power takeoffs to drive accessories such as pumps, generators, chip detectors. Does not include the remote gearboxes.

7261 Turbine Engine Oil System

The system components and parts that provide lubricating oil pressure, circulation and scavenging throughout the engine. Does not include externally mounted storage tanks filed in ATA code 7910, coolers in ATA code 7921, or connecting lines in ATA code 7920. Typical parts are relief valve, fitting, seal, pump, screen, filter, garloc seal, check valve, element, etc.

7270 Turbine Engine Bypass Section

For the non-rotating portion of engine airflow ducting for the prime purpose of adding to engine thrust of turbo-jet engines. Does not include the rotating components such as blades. Typical parts are duct, skin, duct segment, etc.

7297 Turbine Engine System Wiring

For reports indicating a problem with wiring specific to the Turbine Engine System.

CHAPTER V. POWERPLANT SYSTEMS

73. ENGINE FUEL AND CONTROL

7300 Engine Fuel and Control

For general reports of turbine engine fuel systems with insufficient information to file in a more specific ATA 7300 series code.

7310 Engine Fuel Distribution

For components and parts of the engine fuel system from the main quick disconnect fitting or airframe fuel system strainer to the fuel control unit. Does not include the controlling or metering aspects filed in ATA code 7322, or the engine fuel pumps, fuel heater, cooler, divider, or injector nozzle (turbine engines). Typical parts are supply lines, hoses, fuel, filters on turbine engines, shutoff and solenoid valves, etc.

7311 Engine Fuel/Oil Cooler

The unit in which aircraft fuel flows to cool the turbine engine lubricating oil. Does not include the connecting lines.

7312 Fuel Heater

The unit that heats fuel flowing to the engine to prevent freezing of entrapped water. Does not include connecting lines or the heat source.

7313 Fuel Injector Nozzle

The unit that injects metered fuel into burner cans in turbine engines.

7314 Pump

For reports pertaining to engine fuel pumps. Typical parts are housing, spring, rocker, pump, diaphragm, shaft, seal, relief valve, regulator, coupling, etc.

7320 Fuel Controlling System

The system components or parts other than the fuel control, amplifier, computer and indication systems that control and deliver metered fuel/air to turbine engine burner cans. Typical parts are sense line, power and drain valve (P & D valve), drain valve, fadec drain line, check valves on fuel purge can, etc.

7321 Fuel Control/Turbine Engines

The components that electronically control metered fuel flow under infinite temperature, altitude and barometric pressure conditions. This code is also to be used for turbine engines that utilize electronic and non-electronic fuel controls, i.e.: DEEC, FADEC, etc. Typical parts are computer, amplifier, sync box, CIT sensor, etc.

7323 Turbine Governor

The component that controls the RPM of turbine engines. Typical parts are governor, shaft, overspeed limiter, overspeed governor, etc.

7324 Fuel Flow Divider

The unit in metered fuel lines that directs fuel to individual burner cans.

7330 Engine Fuel Indicating System

For reports of fuel temperature, flow rate or pressure indicating and warning systems other than the indicators, sensors and transmitters. Typical parts are line, hose, lamp, bulb, wiring harness, circuit breaker, etc.

7331 Fuel Flow Indicating

The instrument that indicates the flow rate of metered fuel to the engine. Does not include the transmitter. Typical parts are indicator, power supply, needle, dial, etc.

7332 Fuel Pressure Indicating

The instrument that indicates the pressure of fuel at the fuel control, as provided by the engine driven or motor driven pumps. Includes the pressure warning indicating lamps. Typical parts are indicator, bourdon tube, diaphragm, needle, case, etc.

7333 Fuel Flow Sensor

The unit and associated circuitry and parts that sense and transmit the rate of fuel flow to the cockpit indicator. Typical parts are transmitter, sensor, fitting, connector, transducer, etc.

7334 Fuel Pressure Sensor

The units that sense and transmit to the cockpit indicator or indicator lamps the pressure of fuel available at the engine fuel control. Includes pressure switch and circuitry for warning indication. Typical parts are transducer, transmitter, switch, etc.

7397 Engine Fuel System Wiring

For reports indicating a problem with wiring specific to the Engine Fuel System.

CHAPTER V. POWERPLANT SYSTEMS

74. IGNITION

7400 Ignition System

For general reports of ignition problems with insufficient information to file in a more specific ATA 7400 series code.

7410 Ignition Power Supply

The units and components that generate, control, furnish or distribute an electrical current to ignite the fuel air mixture in the combustion chambers or thrust augmentors of turbine engines. Printed circuit board, etc.

7412 Exciter

The unit used with turbine engine ignition systems for starting engines. Typical parts are exciter box, bracket, and relay.

7420 Ignition Harness (Distribution)

For turbine engine, the high-tension leads from the exciter to the burner can igniters used for starting. Typical parts are lead, shielding, sleeve, cable, terminal, ferrule, etc.

7421 Igniter

The part that provides the spark in the combustion chamber of turbine engines.

7497 Ignition System Wiring

For reports indicating a problem with wiring specific to the Ignition System.

CHAPTER V. POWERPLANT SYSTEMS

75. AIR

7500 Engine Bleed Air System

For general reports of turbine engine compressor bleed air systems used to control the flow of air through the engine, cooling air systems and heated air for engine anti-icing reported with insufficient information to file in a more specific ATA 7500 series code.

7510 Engine Anti-Icing System

The engine system components and parts used to eliminate and prevent the formation of ice. Includes the control valve and associated actuator, switch and circuitry that controls the flow of turbine engine compressor bleed air to the engine anti-icing system. Anti-icing reports pertaining to the powerplant cowling are filed in ATA code 3020. Typical parts are control valve, actuator, motor, switch, relay, circuit breaker, hose, manifold, coupling, fuel heat duct, fuel heat valve, ice vanes, etc.

7520 Engine Cooling System

The portion of the engine compressor bleed air system that is used to ventilate engine compartments and accessories. Does not include the engine bleed control valve that is filed in ATA code 7532. Typical parts are jet pumps, vortex generators, valve, actuator, and associated parts and circuitry used to control bleed air to engine accessory cooling systems.

7530 Compressor Bleed Control

The system, except valve and governor, that controls the flow of air through turbine engines. Typical parts are sense line, fittings, cables, sense line filter, speed sense valve, P3 filter, bleed valve, etc.

7531 Compressor Bleed Governor

The unit controlling relative position of the compressor bleed valve in turbine engines for airflow control.

7532 Compressor Bleed Valve

The component that releases air from turbine engine compressor sections for airflow control. Typical parts are bleed valve, actuator, check valve, etc.

7540 Bleed Air Indicating System

The systems that indicate temperature, pressure, control positions and warning indications of turbine engine compressor bleed air systems in turbine engines. Typical parts are transmitter, sensor, indicator, lamp, pressure switch, etc.

7597 Engine Bleed Air System Wiring

For reports indicating a problem with wiring specific to the Engine Bleed Air System.

CHAPTER V. POWERPLANT SYSTEMS

76. ENGINE CONTROLS

7600 Engine Controls

The controls that govern the operation of the engine. Includes units and components that are interconnected for emergency shutdown. For turboprop engines, includes linkages and controls to the coordinator or equivalent to the propeller governor, fuel control unit or other units being controlled. Does not include units or components that are specifically included in other chapters. For general reports of engine control problems with insufficient information to file in a more specific ATA 7600 series code.

7601 Engine Synchronizing

The components providing for engine synchronization in multi-engine aircraft.

7603 Power Lever

The system that provides for control of fuel controls or coordinators on turbine engines and propeller regulators on turboprop engines. Typical parts are cable, rod, rod end, bellcrank, bracket, clamp, actuator, shaft, shaft pin, knob, pedestal, engine rigging, flight idle adjustment, etc.

7620 Engine Emergency Shutdown System

The system that provides for rapid, complete shutoff of combustible fluids to the engine compartments during emergency procedures. Typical parts are cable, actuator, switch, lever, etc.

7697 Engine Control System Wiring

For reports indicating a problem with wiring specific to the Engine Control System.

CHAPTER V. POWERPLANT SYSTEMS

77. ENGINE INDICATING

7700 Engine Indicating System

For general reports of engine indicating system discrepancies with insufficient information to file in a more specific ATA 7700 series code. This code is also used for reports with multiple engine indications. Engine stall warning.

7710 Power Indicating System

For power indicating systems that directly or indirectly indicate power or thrust (i.e., brake mean effective pressure (BMEP), engine pressure ratio (EPR), RPM, etc.) but are not covered in ATA codes 7711 through 7722.

7711 Engine Pressure Ratio (EPR)

The system that senses, measures and indicates the engine pressure ratio (EPR) of a turbine engine. The system measures the difference between the compressor inlet pressure and the turbine discharge pressure. Typical parts are sensor, transducer, transmitter, probe, etc.

7712 Engine BMEP/Torque Indicating

The system that senses and measures brake mean effective pressure (BMEP) or engine torque in turbo-prop engines. Does not include internal parts, that are type certificated with the engine. Typical parts are torque gauge, indicator, line, sensor, transmitter, pressure switch, etc.

7714 Engine RPM Indicating System

The system, including the indicator and sensor, that indicates engine speed in revolutions per minute (RPM). Typical parts are, cable, connector, tachometer, tachometer generator, N1, N2, indicator, speed sensor, A130 card, etc.

7720 Engine Temperature Indicating System

For general reports of the system components and parts that indicate engine temperature with insufficient information to file in a more specific ATA 7700 series code.

7722 Engine EGT/TIT Indicating System

For reports of exhaust gas temperature (EGT) or turbine inlet temperature (TIT) temperature sensing and indicating system. Typical parts are wiring, turbine inlet temperature (TIT) indicator, EGT indicator, probe, harness, terminal, connector, indicator, sensor, transducer, transmitter, etc.

7732 Engine Vibration Analyzer

For general reports of the engine vibration analyzer system, indicating to the flight crew unusual engine vibration conditions. Typical parts are connector, harness, indicator, monitor, sensor, amplifier, etc.

7740 Engine Integrated Instrument System

The portion of the system that is an integrated concept that receives engine operating parameters and transmits them to a central processor for cockpit presentation. Typical parts are the display units, transmitters, receivers, computers, signal data converter, etc.

7797 Engine Indicating System Wiring

For reports indicating a problem with wiring specific to the Engine Indication System.

CHAPTER V. POWERPLANT SYSTEMS

78. ENGINE EXHAUST

7800 Engine Exhaust System

For general reports of engine exhaust system defects with insufficient information to file in a more specific ATA 7800 series code.

7810 Engine Collector/Tailpipe/Nozzle

That portion of the system that collects the exhaust gases from the turbines and conducts them overboard. Includes variable vanes, or nacelle tailpipes used on turboprop powered aircraft. Typical parts are tailpipe, cone, nozzle, clamp eyebolt, duct, ejector, etc.

7820 Engine Noise Suppressor

For general reports of muffler system defects. Includes the cloverleaf shaped unit mounted on turbo-jet engine exhaust tailpipes for sound suppression. Typical parts are baffle, and flame tube, etc.

7830 Engine Thrust Reverser

The airframe furnished system and components mounted at turbo-jet engine exhaust tailpipes, or turbofan engine variable fan reverser components used to direct engine thrust forward for deceleration. Does not include the engine tailpipe. Typical parts are door, flex drive, relay, solenoid, switch, switch arm, bolt, valve, line, deploy line, rail, cable, actuator, actuator rod, connector plug, seal, support, fitting, shaft, link, nozzle, hose, etc.

7897 Engine Exhaust System Wiring

For reports indicating a problem with wiring specific to the Engine Exhaust System

CHAPTER V. POWERPLANT SYSTEMS

79. ENGINE OIL

7900 Engine Oil System (Airframe Furnished) See 7261 Also

For general reports of system units external to the engine that store and deliver engine lubricating oil to and from turbine engines with insufficient information to file in a more specific ATA 7900 series code.

7910 Engine Oil Storage (Airframe Furnished)

The engine oil storage tank furnished by the airframe manufacturer. Includes attached parts such as filler caps, mount brackets, but excludes engine manufacturer furnished tanks, quantity indication systems and distribution lines. Typical parts are tank, cap, seal, bracket, drain valve, AGD breather, etc.

7920 Engine Oil Distribution (Airframe Furnished) See 7261 Also

The external oil system that distributes engine lubricating oil from the storage tanks to and from the engine. Does not include externally mounted units such as oil coolers, oil filters, shutoff valves. Typical parts are line, hose, coupling, fitting, clamp, etc.

7921 Engine Oil Cooler

The component and associated parts that cool engine lubricating oil. Includes brackets, outlet doors, scoops, ducts and louvers, but excludes the temperature regulator. Typical parts are cooler, duct, scoop, door, door actuator, etc.

7922 Engine Oil Temperature Regulator

The unit that is mounted on the airframe oil cooler or the engine for controlling engine lubricating oil temperature. Typical parts are thermostat, thermal valve, regulator, etc.

7923 Engine Oil Shutoff Valve

The component and associated controls that stop the flow of lubricating oil to the engine for emergency purposes.

7930 Engine Oil Indicating System

For general reports of engine oil pressure, temperature and quantity and those reports with insufficient information to file in a more specific ATA 7900 series code. Includes oil filter bypass switch, chip detector light (the chip detector is located in ATA 7210), indicators, etc.

7931 Engine Oil Pressure

The instrument or warning lamp that indicates, senses, or transmits the pressure of engine lubricating oil available at the engine or when the pressure is improper for the conditions. This code is also used for discrepancies involving oil pressure regulation. Typical parts are transducer, pressure switch, transmitter, pressure regulator, indicator, case, dial, needle, lamp, etc.

7932 Engine Oil Quantity

The instrument or warning lamp that senses or indicates the quantity of oil in supply tanks or warns of an insufficient quantity. Typical parts are transmitter, indicator, case, lamp, etc.

7933 Engine Oil Temperature

The instrument that senses and indicates temperature of engine oil. Typical parts are sensor, temperature bulb, case, indicator, needle, dial, etc.

7997 Engine Oil System Wiring

For reports indicating a problem with wiring specific to the Engine Oil System.

CHAPTER V. POWERPLANT SYSTEMS

80. STARTING

8000 Engine Starting System

The units, components and associated systems used for starting the engine. Includes electrical, inertia air or other starter systems. Does not include ignition systems that are covered in ATA 74, IGNITION.

8010 Engine Cranking

The portion of the system that is used to perform the cranking functions of the starting operation. Typical parts are plumbing, valve, wiring, start switch, relay, etc.

8011 Engine Starter

The component used for starting the engines. Includes parts that are separated from the engine during starter removals, but does not include parts within the engine. Does not include the starter-generator that is filed in ATA Code 2435. Typical parts are brush, bearing, shaft, clutch, adapter, back-plate, housing, winding, terminal post, etc.

8012 Engine Start Valves/Controls

The valves and controls used for starting engines.

8097 Engine Starting System Wiring

For reports indicating a problem with wiring specific to the Engine Starting System.